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Explore Data and Data Analytics Report Monthly Count of Death

Preview:

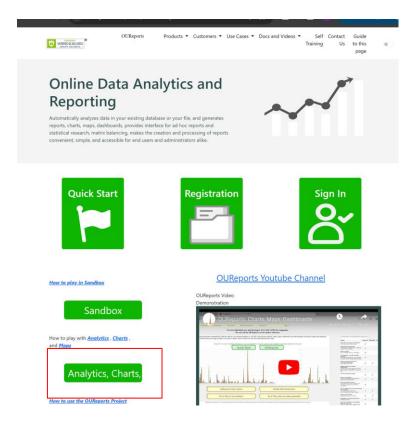
This comprehensive report delves into the fascinating journey of harnessing the potential of two dynamic tools, Show Analytics and Explore Report Data, to convert a complex and intricate raw data set into a format that is not only easily accessible but also teeming with analytical value. Central to our narrative is the monthly death rate data set, which we sourced from the reputable Data.Gov platform (Data.Gov <u>https://catalog.data.gov</u>). While this data undoubtedly holds rich insights, it initially presents itself in a form that requires a degree of refinement to unlock its full potential. Here, the Show Analytics and Explore Report Data functionalities serve as our guiding light in this transformative journey.

As we progress through the subsequent sections of this report, we unveil the pivotal role played by these functionalities in the process of optimizing data and enhancing its accessibility. We delve deep into their functionalities, exploring how they enable us to gain a comprehensive understanding of their profound impact on enriching the overall value of the report.

We invite the reader to embark on a journey that encapsulates the essence of data transformation. While navigating through the intricacies of the Show Analytics and Explore Report Data functionalities, we witness raw data evolving into a powerful tool for informed decision-making. With each section, we peel back the layers of complexity to reveal the hidden gems of insights within this data set.

This report does not merely showcase the application of tools; it narrates the story of data's transformation from raw numbers to actionable intelligence. It underscores the importance of these tools as facilitators of data-driven decision-making and demonstrates how data can be harnessed to its fullest potential to create a resource that is both accessible and replete with analytical richness. Our exploration of these tools is not just a technical exercise; it is a testament to the transformative power of data when placed in capable hands.

How to import Data set Step by step:



Analytics, Matrix balancing, Maps, KML generator DEMO

ports:	<u>Create r</u>	new report	Import data	Advanced User		
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		Created by	Show Report		Edit	Copy
		csvdemo43_4_16_2020_1_50PM	Country Areas		locked	сору
		csvdemo43_1_14_2023_10_17AM	Alzheimer		edit	сору
		csvdemo43_7_22_2021_3_31PM	Arts Comp		edit	copy
		csvdemo43_5_31_2020_2_34PM	Covid (test)		edit	сору
		csvdemo43_7_18_2020_4_19PM	Covid 2020		edit	сору
		csvdemo43_3_15_2021_12_06PM	Covid 2021		edit	сору
		csvdemo43_3_22_2021_12_43PM	Covid Daily by State		edit	сору
		csvdemo43_3_22_2021_11_57AM	Covid Daily Vaccination		edit	сору
		csvdemo43_3_22_2021_12_59PM	Covid latest		edit	сору
		csvdemo43_3_15_2021_10_47AM	Covid Vaccination by C	ountry	edit	сору
		csvdemo43_3_30_2021_10_42AM	Covid Vaccination by St	tate in US	edit	сору
		csvdemo43_6_1_2022_1_21PM	Crime 2018-2019		edit	сору
		csvdemo43_10_15_2023_9_38PM	Data imported into 202/ 2023 9-38-05 PM	4_budget_recommendations_positions_and_salaries on 10-15-	edit	сору
		csvdemo43_10_16_2023_12_23AM	Data imported into car_	accidents_tempe_2023 on 10-16-2023 12-23-13 AM	edit	сору
		csvdemo43_10_15_2023_7_42PM	Data imported into car_	accidents_tempe_from_2023 on 10-15-2023 7-42-24 PM	edit	сору
		csvdemo43_11_6_2023_9_48PM	Data imported into earth	nquakes_last_month on 11-6-2023 9-48-29 PM	edit	сору
		csvdemo43_10_15_2023_8_24PM	Data imported into fruits	prices2020 on 10-15-2023 8-24-58 PM	edit	сору
		csvdemo43_10_16_2023_12_22AM	Data imported into mas	s_shooting_states_years on 10-16-2023 12-22-28 AM	edit	сору
		csvdemo43_10_16_2023_8_21PM	Data imported into mon	thly_counts_of_deaths_test5 on 10-16-2023 8-21-58 PM	edit	сору
		csvdemo43_10_30_2023_8_19PM	Data imported into NYF	D_Shooting_Incident_2019_2022 on 10-30-2023 8-19-29 PM	edit	copy
		csvdemo43_10_23_2023_7_35PM	Data imported into real,	estate_2020_connecticut1 on 10-23-2023 7-35-19 PM	edit	сору
		csvdemo43_10_23_2023_11_13PM	Data imported into scho	ol_attendance on 10-23-2023 11-13-05 PM	edit	сору
		csvdemo43_11_8_2023_12_48AM	Data imported into toba	cco_survey_1999_2017 on 11-8-2023 12-48-12 AM	edit	сору
		csvdemo43_10_15_2023_8_28PIM	Data imported into vege	table_prices_2020 on 10-15-2023 8-28-37 PM	edit	copy

Data Import

Insert into new table:	
or into existing table:	~
□ delete all records from the table before upload csv file delimiter: [.]	
Select file to upload: Choose File(s)	
or from web site: https://	
Upload formatted file(s) into table(s).	
Result:	
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	csvdemo43_10_31_2023_2_28AM	Data imported into youthtobacco_survey_data on 10-31-2023 2-28-20 AM	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_1_12_2023_10_50AM	Electric cars	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_14_2022_9_33AM	Feed Grain Export and Import	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_14_2022_1_34PM	Feed Grain text	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_8_2022_9_27AM	Feed Grains	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_24_2021_1_29PM	Gross Domestic Product GDP byArea	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_9_2_2023_1_27PM	Import into table industry1	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_8_31_2023_1_05PM	Import into table industry1	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_8_13_2020_1_12PM	Import sample	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_3_15_2023_1_35PM	Input csv or else	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_24_2021_9_12AM	Macro Economics	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_10_16_2023_8_43PM	monthly counts_of_death	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_28_2021_9_00AM	Nasdaq	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_3_13_2023_10_05AM	Natural Gas Future	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_24_2021_12_23PM	Personal Income By Area	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_10_25_2023_10_25AM	Real Estate CT	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_7_18_2022_11_08AM	Sample Sales Records by year	edit	сору	delete	2029-06-26 00:00:00
	csvuser17_3_28_2020_6_32PM	States Population and Areas	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_5_15_2020_11_06AM	States Population and Areas with colors	edit	сору	delete	2028-09-29 10:49:00
	csvuser17_3_16_2020_2_12PM	Storms 1950 paths	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_5_11_2020_5_47PM	Storms 1950 paths - Maps	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_4_9_2020_4_46PM	Storms 1950 paths 2	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_5_25_2020_2_40PM	Storms Damage, Area and Population by States	edit	сору	delete	2028-09-29 10:49:00
	csvdemo43_10_9_2023_7_13PM	Table 11affordable_housing_by_towns_2011-2022 updated on 10/9/2023 7-13-00 PM	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_10_9_2023_7_41PM	Table affordable_housing_by_towns updated on 10/9/2023 7-41-38 PM	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_10_9_2023_7_10PM	Table affordable_housing_by_towns_2011-2022 updated on 10/9/2023 7-10-25 PM	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_10_9_2023_6_53PM	Table affordable_housing_by_town_2011-2022 updated on 10/9/2023 6-53-26 PM	edit	сору	delete	2029-06-26 00:00:00
	csvdemo43_10_9_2023_6_56PM	Table affordable_housing_by_town_2011-20221092023656pm updated on 10/9/2023 6-56-20 PM	edit	сору	delete	2029-06-26 00:00:00
0.40DM#Data imported into earthqual	csvdemo43_10_9_2023_7_43PM	Table affordable_housing_towns updated on 10/9/2023 7-43-35 PM	edit	сору	delete	2029-06-26 00:00:00
u dyuteusta imported into carthqual	100					

First of all Here is an overview of the data set:

monthly counts of death

County	Year	month	rate	AllCause	NaturalCause	<u>Septicemia</u>	<u>MalignantNeoplasms</u>	<u>DiabetesMellitus</u>	Alzhe
Chemung	2003	4	high	213051	193541	2993	47587	6051	
Chemung	2004	5	high	219691	198767	3222	49792	6221	
Cayuga	1994	7	mid	265355	247269	4194	52346	8053	
Chemung	2005	6	high	219911	199453	3134	50593	6282	
Cayuga	1995	8	low	227047	211028	3559	46226	6809	
Chemung	2006	7	high	214310	194685	3138	48688	6175	
Cayuga	1996	9	low	242712	224708	3723	51192	7106	
Chemung	2007	8	mid	230021	212140	3459	48258	6851	
Cayuga	1997	10	mid	224423	207336	3342	48745	6568	
Cayuga	1998	11	low	223600	205087	3204	50072	6479	
Cayuga	1999	12	mid	211175	193014	3019	48055	6076	
Cayuga	2000	1	high	216951	197673	3151	50112	6251	
Cayuga	2001	2	high	214404	195312	3236	50196	6173	
Cayuga	2002	3	high	209905	191754	3123	48835	6012	
Cayuga	2003	4	high	223535	204815	3390	50889	6566	
Cayuga	2004	5	high	227191	208249	3480	48574	6522	
Cayuga	2005	6	high	224528	205011	3257	49589	6626	
Cayuga	2006	7	high	213051	193541	2993	47587	6051	
Cayuga	2007	8	mid	219691	198767	3222	49792	6221	
Cayuga	2008	9	high	216951	197673	3151	50112	6251	
Cayuga	2009	10	mid	214404	195312	3236	50196	6173	
Cayuga	2010	11	mid	216951	197673	3151	50112	6251	
Cayuga	2011	12	high	221317	195312	3236	50196	6173	
Cayuga	2012	1	mid	243390	52346	8053	11638	10005	
Cayuga	2013	2	high	265355	46226	6809	9477	6402	
Cayuga	2014	3	high	219788	202283	3315	48800	6582	
Cayuga	2015	4	high	233735	215657	3517	50462	6860	
Cayuga	2016	5	high	245823	227341	3846	51863	7392	
Cayuga	2017	6	mid	230021	212140	3459	48258	6851	
Cayuga	2018	7	mid	244283	224696	3773	51566	7108	
Cayuga	2019	8	mid	227191	208249	3480	48574	6522	
Cayuga	2020	9	mid	224528	205011	3257	49589	6626	
Cayuga	2021	10	high	213051	193541	2993	47587	6051	
Cayuga	2022	11	mid	219691	198767	3222	49792	6221	

Explore Report Data:

We can see here that we have for options in wich we can export the table we have into four different type of files Excel, CSV, Delimited File, XML

But before that if we clicked on <u>Explore Report Data</u> itself we should have the following:

hide duplicate records	Expe	ort delimiter:	,	_	Res	et	Help for this page		
ata for repor	t: monthly	counts	_of_dea	th s	earch:	~	~	Search	
aturalCause All	✓ mont	h All 🗸 r	ate All 🗸	Apply					
Records returned		Export to							
County Year month	h rate AllCaus	e NaturalCa	use Septicer	nia MalignantNeo	plasms DiabetesMe	ellitus AlzheimerDi	sease InfluenzaandPneum	nonia ChronicLowerRespirator	yDiseases Other Diseases of Respiratory
Chemung 2003 4	high 213051	193541	2993	47587	6051	8687	3391	11703	3058
Chemung 2004 5	high 219691	198767	3222	49792	6221	9038	3412	11681	3051
Cayuga 1994 7	mid 265355	247269	4194	52346	8053	11638	10005	16769	3797
Chemung 2005 6	high 219911	199453	3134	50593	6282	8991	3298	11464	2907
Cayuga 1995 8	low 227047	211028	3559	46226	6809	9477	6402	14196	3245
Chemung 2006 7	high 214310	194685	3138	48688	6175	9077	3307	11107	2936
Cayuga 1996 9	low 242712	224708	3723	51192	7106	9790	5601	15185	3668
Chemung 2007 8	mid 230021	212140	3459	48258	6851	9729	5162	13986	3266
Cayuga 1997 10	mid 224423	207336	3342	48745	6568	8859	4878	13982	3306
Cayuga 1998 11	low 223600	205087	3204	50072	6479	8674	4109	13376	3109
Cayuga 1999 12	mid 211175	193014	3019	48055	6076	8109	3679	11946	2983
Cayuga 2000 1	high 216951	197673	3151	50112	6251	8361	3476	11473	2906
Cayuga 2001 2	high 214404	195312	3236	50196	6173	8346	3439	10768	2877
Cayuga 2002 3	high 209905	191754	3123	48835	6012	8419	3378	10729	2844
Cayuga 2003 4	high 223535	204815	3390	50889	6566	9368	3883	11675	3057
Cayuga 2004 5	high 227191	208249	3480	48574	6522	9479	5068	13634	3277
Cayuga 20056	high 224528	205011	3257	49589	6626	9274	4053	12809	3232
Cayuga 2006 7	high 213051	193541	2993	47587	6051	8687	3391	11703	3058
Cayuga 2007 8	mid 219691	198767	3222	49792	6221	9038	3412	11681	3051
Cayuga 2008 9	high 216951	197673	3151	50112	6251	8361	3476	11473	2906
Cayuga 2009 10	mid 214404	195312	3236	50196	6173	8346	3439	10768	2877
Cayuga 2010 11	mid 216951	197673	3151	50112	6251	8361	3476	11473	2906
Cayuga 2011 12	high 221317	195312	3236	50196	6173	8346	3439	10768	2877
Cayuga 2012 1	mid 243390	52346	8053	11638	10005	16769	3797	4979	3005
Cayuga 2013 2	high 265355	46226	6809	9477	6402	14196	3245	4344	2578
Cayuga 2014 3	high 219788	202283	3315	48800	6582	9408	3763	11749	3141
Cayuga 2015 4	high 233735	215657	3517	50462	6860	10112	4449	13193	3353
Cayuga 20165	high 245823	227341	3846	51863	7392	10612	5295	14331	3705
Cayuga 2017 6	mid 230021	212140	3459	48258	6851	9729	5162	13986	3266
Cayuga 20187	mid 244283	224696	3773	51566	7108	10076	6208	15417	3668

We can see two Options:

1- Applying specific variable such as month (we can choose more than one variable at once) when apply this we should have a result demonstration what we have chosen. And we will see that in the following steps.

2- Search option and for the option we can see that we have three field from left to right:

[Variable] [equality operation] [Specific value as a determiner of the equality]

Data for report: monthly counts_of_death

Natural	Cause	All	\sim	mo	nth]ı	ate	All 🗸	Apply
Record	s retu	ırned:	117			All 1 2 3	t	o Ex	cel	
<u>County</u>	Year	<u>month</u>	<u>rate</u>	AllCau	se	4	a	use	<u>Septicemia</u>	<u>MalignantNeo</u> j
Chemung	2003	4	high	21305		6 7			2993	47587
Chemung	2004	5	high	21969		9 10			3222	49792
Cayuga	1994	7	mid	26535	5	11 12			4194	52346
Chemung	2005	6	high	219911	1	199453			3134	50593
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NaturalCa	auseAll	N]month[:	3 🗸 rate A	ll 🗸 Ap	oply					
Records	returned: 11		Export to Excel							
County	Year month	rate AllCause	NaturalCause	Septicemia	MalignantNeoplasms	DiabetesMellitus	AlzheimerDisease	InfluenzaandPneumonia	ChronicLowerRespiratoryDiseases	OtherDiseasesofRespiratorySystem
Cayuga	2002 3	high 209905	191754	3123	48835	6012	8419	3378	10729	2844
Cayuga	2014 3	high 219788	202283	3315	48800	6582	9408	3763	11749	3141
Chautauqua	a 1990 3	high 219911	199453	3134	50593	6282	8991	3298	11464	2907
Cattaraugus	s 1990 3	high 243298	226621	3944	51101	7344	8305	7929	15078	3466
Chautauqua	a 2002 3	high 223535	204815	3390	50889	6566	9368	3883	11675	3057
Chautauqua	a 2014 3	high 214310	194685	3138	48688	6175	9077	3307	11107	2936
Cattaraugus	s 2002 3	high 265355	247269	4194	52346	8053	11638	10005	16769	3797
Chemung	1990 3	high 243390	225948	3798	51105	7163	10182	6442	14242	3482
Cattaraugus	s 2014 3	high 245823	227341	3846	51863	7392	10612	5295	14331	3705
Chemung	2002 3	high 224528	205011	3257	49589	6626	9274	4053	12809	3232
Cayuga	1990 3	high 205274	188322	2918	48331	5810	7238	3352	10426	2696
V bide du	uplicate records		Export deli	miter			Rese	+	Help for this page	

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NaturalCa	ause All	∨ mor	ith 3 🗸 🖬 ate	All 🗸 A	oply					
Records			Export to Excel							
County	Year month	rate AllC	ause NaturalCau	se Septicemia	Malignant	tNeoplasms	DiabetesMellitus	<u>AlzheimerDisease</u>	InfluenzaandPneumonia	ChronicLowerRes
Cayuga	2002 3	high 2099	05 191754	3123	48835		6012	8419	3378	10729
Cayuga	2014 3	high 2197	88 202283	3315	48800		6582	9408	3763	11749
Chautauqua	2002 3	high 2235	35 204815	3390	50889		6566	9368	3883	11675
Chautauqua	2014 3	high 2143	10 194685	3138	48688		6175	9077	3307	11107
Cattaraugu	2002 3	high 2653	55 247269	4194	52346		8053	11638	10005	16769
Cattaraugu	2014 3	high 2458	23 227341	3846	51863		7392	10612	5295	14331
Chemung	2002 3	high 2245	28 205011	3257	49589		6626	9274	4053	12809

We can see as the result the data set we have received have both the variable we have chosen which is the third month and searched for years larger then 2000. The result is every third month of a year over 2000.

- Explore Report Data
- 1 Export Data to Excel
- **2** Export Data to CSV
- 3 Export Data to Delimited File
- **4** Export Data to XML

First We should Understan the difference between each one of them:

1) **Excel:** Exporting data to Excel involves converting your data into a Microsoft Excel spreadsheet. Excel is a widely used spreadsheet application that allows you to organize, analyze, and visualize data. When you export data to Excel, it typically retains formatting, including cell colors, fonts, and formulas, making it suitable for creating structured reports and performing calculations.

2) CSV (**Comma-Separated Values**): CSV is a plain text format used for tabular data. In a CSV file, each line represents a record, and values within each line are separated by commas (or other delimiters like semicolons or tabs). CSV files are easy to create and are highly compatible with various applications, making them a common choice for data interchange.

3) **Delimited File:** Similar to CSV, delimited files use a specific character, such as a comma, semicolon, or tab, to separate values within a file. Delimited files provide flexibility in choosing the delimiter character, making them suitable for situations where a different delimiter is preferred over a comma.

4) XML (Extensible Markup Language): XML is a structured, text-based format used to represent and store data in a hierarchical and machine-readable manner. It allows for custom data structures, making it suitable for complex data with nested elements. Exporting data to XML involves creating a structured XML document where data is enclosed within defined tags, providing a high degree of flexibility in representing diverse data types.

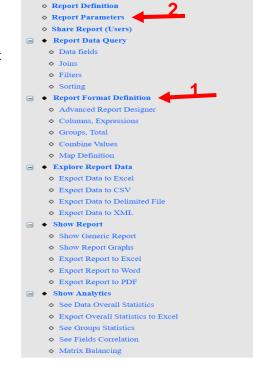
Here is an example of one file that I have exported using the export data to Excel tool through OUReports.

e2 Resize Table	Remove I		Insert Exp	ort Refresh	Properties Open in Browser Unlink	Header Row Total Row Rows Randed Rows	First Column Last Column Banded Column	Filter							
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A	B	C D	E			G	н	1	1	К	L	М	N	0	Р
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ttaraugus	1990	3 high	2433		226621	3944	51101	7344	8305		15078	3466	4600	2815	58
ttaraugus	1991	4 mid	2119		197001	3214	45558	6443	7315		12747	2873	4064	2532	50
ttaraugus	1992	5 high	2284		212045	3451	50646	6738	7999		13493	3260	4300	2632	54
ttaraugus	1993	6 mid	2156		199454	3125	48304	6343	7117		12573	3179	3902	2549	50
ttaraugus	1994	7 mid	2168		199843	3105	49497	6272	7266		12281	3101	3980	2584	50
ttaraugus	1995	8 low	2046		187644	2947	48103	5802	6755		11207	2782	3631	2518	47
ttaraugus	1996	9 low	2093		192035	3112	49259	5983	6990		11161	2690	3690	2449	47
ttaraugus	1997	10 mid	2080		190204	2931	49519	5930	6986		10722	2778	3778	2465	47
ttaraugus	1998	11 low	2051		188322	2918	48331	5810	7238		10426	2695	3823	2586	46
ttaraugus	1999	12 mid	2181		200741	3203	50900	6183	8319		11412	2903	3881	2703	50
ttaraugus	2000	1 high	2213	17	204268	3192	49377	6477	9069	3875	11759	2977	3954	3000	52
ttaraugus	2001	2 high	2433	90	225948	3798	51105	7163	10182	6442	14242	3482	4543	3409	57
ttaraugus	2002	3 high	2651	55	247269	4194	52346	8053	11638	10005	16769	3797	4979	3005	63
ttaraugus	2003	4 high	2270	47	211028	3559	46226	6809	9477	6402	14196	3245	4344	2578	54
ttaraugus	2004	5 high	2423	12	224708	3723	51192	7106	9790	5601	15185	3668	4597	2674	57
ttaraugus	2005	6 high	2244	23	207336	3342	48745	6568	8859	4878	13982	3306	4247	2551	52
ttaraugus	2006	7 high	2236	00	205087	3204	50072	6479	8674	4109	13376	3109	4046	2489	52
ttaraugus	2007	8 mid	2111	75	193014	3019	48055	6076	8109	3679	11946	2983	3881	2489	48
ttaraugus	2008	9 high	2169	51	197673	3151	50112	6251	8361	3476	11473	2906	3935	2529	50
ttaraugus	2009	10 mid	2144	04	195312	3236	50196	6173	8346	3439	10768	2877	3797	2464	48
ttaraugus	2010	11 mid	2099	05	191754	3123	48835	6012	8419	3378	10729	2844	3781	2518	47
ttaraugus	2011	12 high	2235	35	204815	3390	50889	6566	9368	3883	11675	3057	3927	2733	51
ttaraugus	2012	1 mid	2197	88	202283	3315	48800	6582	9408	3763	11749	3141	4060	2801	51
ttaraugus	2013	2 high	2337	35	215657	3517	50462	6860	10112	4449	13193	3353	4365	3211	55
ttaraugus	2014	3 high	2458	23	227341	3846	51863	7392	10612	5295	14331	3705	4645	2755	58
ttaraugus	2015	4 high	2300	21	212140	3459	48258	6851	9729	5162	13986	3266	4307	2553	54
ttaraugus	2016	5 high	2447	83	224696	3773	51566	7108	10076	6208	15417	3668	4652	2655	57
ttaraugus	2017	6 mid	2271		208249	3480	48574	6522	9479		13634	3277	4124	2634	52
ttaraugus	2018	7 mid	2245		205011	3257	49589	6626	9274		12809	3232	4082	2631	51
ttaraugus	2019	8 mid	2130		193541	2993	47587	6051	8687		11703	3058	3927	2545	49

Now we are going to add some parameters and show that step by step:

First step:

First we should pick Report Format Defination to have Report Prameters on the menu.



◇ Log Off;◇ List of Reports

Second step:

This page will shows up and then you can see add parameter button onn the top right.

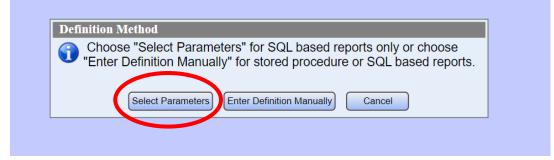
Online Data Analytics and Reporting								
o Lag Off.	Advanced User				Report Definition - monthly counts_of_death	Parameters	Heb	
 List of Reports 								
Export Definition	Report Data Query Report Fo	rmat > Report Info Parame	ters Users					
Kappert Parameters								(
Share Report (Even)								New Parameter
Report Data Query	Field	Label	Parameter	Туре	501.	Comments		
+ Des Sells	wonthly_counts_of_deathstest0 NaturalCau		NaturalCause	ж	SELECT DISTINCT NaturalCause FROM monthly_counts_of_deathstestD ORDER BY NaturalCause	checked	953	delete down
• Joins		month	month	R.	SELECT DISTINCT 'month' FROM monthly_counts_of_deathstest) ORDER BY 'month'	checked	e51	delete updown
+ Film	monthly_counts_of_deathstest0.rate	rate	rate	nvardhar	SELECT DISTINCT rate FROM monthly_counts_of_deathstest0 ORDER BY rate	checked	<u>#5</u>	26018 10
+ Sering								
@ • Report Format Definition								
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Columns, Expressions								
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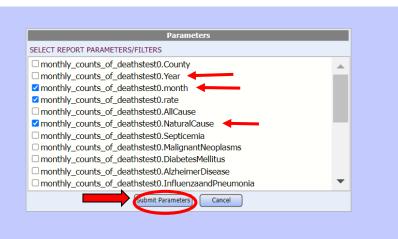
Third step:

A pop up will appear and we can either select parameters or enter definition manually



Forth Step:

We can choose the desired parameters then submit them.



Fifth and Final Step: Now we can see that we have a list

of three parameters.

Advanced User				Report Definition - monthly counts_of_death
Report Data Query 🔹 🕨 Re	eport Format 🔹 🕨 Report Info 🛛 P	arameters Users		
Field	Label	Parameter	Туре	
monthly_counts_of_deathstest0.Na	aturalCause NaturalCause 🛛 🚽	NaturalCause	int	SELECT DISTINCT NaturalCause FROM monthly_counts_of_deathstest0 ORDER BY NaturalCause
monthly counts of deathstest0.m	onth month	month	int	SELECT DISTINCT 'month' FROM monthly_counts_of_deathstest0 ORDER BY 'month'
monthly counts of deathstest0.ra	te rate 🚽	rate	nvarchar	SELECT DISTINCT rate FROM monthly_counts_of_deathstest0 ORDER BY rate

Adding Groups (Groups and totals):

 > Log Off; > List of Reports > Report Definition > Report Parameters 	Column Ord Add Group	ler, Expressions	Groups at	nd Totals	Com	bine column	values	-			
 Share Report (Users) ⇒ Report Data Query > Data fields > Joins 	Group By: County Groups at	nd Totais	¥	Totals for (County	Column:			Friendly Grou	up Name:		Ddd/Update Grou
♦ Filters ♦ Sorting ■ • Report Format Definition	Group By rate	Stats for Column month	Group Name rate/month			Min Average	Std Dev ☑	Count Distinct	First Last Page Break	Order 1	Up Down Dele delet
 Advanced Report Designer Columns, Expressions Groups, Total Combine Values Map Definition 	Save Grou	ips and update re	eport:	Submit							

First we should pick Report Format Defination then choose the Groups and Tools option and select the desired value for each drop list.

Add Grou	р														
Group By: County		~	Totals f		umn:				Friendly Grou	p Name:				Add/Updat	e Group
Groups a	nd Totals														
Group By	Stats for Column	Group Name	Count	Sum	Max	Min	Average	Std Dev	Count Distinct	First	Last	Page Break	Order	Up Down	Delete
	month	rate/month	\square									\Box	0		delete

And here we finally have added a new group successfully

Show Analytics:

By clicking on Show Analytics we will see the following:

		Recalculate Analytics	Correlation Data and Statistics	Report and Charts Lis	st of User Dashboard	ds Matrix Balanc	ing	Help		Logic	đ
				monthly	counts_of_	_death - Ar	alytics				
Sear	ch 9 records										
the field: month	to aggregate: Count	V	For advanced matrix	balancing only select it	tterations by the fi	ield:		۷			
		Category/Group 1	Category/Group 2	Matrix/Pivot	Bar Chart	Pie Chart	Line Chart	Data records	Dashboard	Matrix Balancing	Charts
		AllCause	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
		CerebrovascularDiseases	CerebrovascularDiseases		bar	pie	line	detail report	stats dashboard	advanced	charts
		County	County		bar	pie	line	detail report	stats dashboard	advanced	charts
		County	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
		County	Year	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
		DiseasesofHeart	DiseasesofHeart		bar	pie	line	detail report	stats dashboard	advanced	charts
		NaturalCause	MalignantNeoplasms	matrix	bar	ole	line	detail report	stats dashboard	advanced	charts
		rate	rate		bar	pie	line	detail report	stats dashboard	advanced	charts
		rate	Year	matrix	bar	pie	ine	detail report	stats dashboard	advanced	charts

In the first square in the left we can determine the field we desire and choose whatever aggregation function we want based the data. On the secon square we can see have some advanced option which will only work advance matrix balancing only. And inside the the pavel we can choose some visual demonstration options such as pie chart or bar chart and many more.

				Rec	calculate Analytics	Correla
Search:		Search 9 reco	rds			
Select the field	AllCause	to aggre	egate: Sum	~		
	County Year month rate	A		Category/Group 1		Categ
	AllCause NaturalCause			AllCause		rate
	Septicemia MalignantNeoplasms			CerebrovascularDisease	es	Cereb
	DiabetesMellitus AlzheimerDisease			County		Count
	InfluenzaandPneumonia ChronicLowerRespiratoryDiseases			County		rate
	OtherDiseasesofRespiratorySystem NephritisNephrotioSyndromeandNephrosis			County		Year
	SymptomsSignsandAbnormalClinical DiseasesofHeart			DiseasesofHeart		Disea
	CerebrovascularDiseases AccidentsUnintentionalInjuries			NaturalCause		Maligr
	Motor/VehicleAccidents IntentionalSelfHarmSuicide	-		rate		rate
				rate		Year
				lato		100.

to aggregate:	Sum	×
	Count CountDistinct	ory/C
	Sum Max Min	ise rovas
	Avg StDev Value	у
		County

For advanced matrix	balancing only select it	tterations by the	field:	~
/Group 2	Matrix/Pivot	Bar Chart	F County Year	A
	matrix	bar	p month	
ascularDiseases		<u>bar</u> bar	AllCause	- 1
	matrix	bar	2 Septicemia MalignantNeoplasms	- 1
ofHeart	matrix	<u>bar</u> bar	2 DiabetesMellitus 2 AlzheimerDisease 1 InfluenzaandPneumonia	
Neoplasms	matrix	<u>bar</u> bar	ChronicLowerRespiratoryDiseases OtherDiseasesofRespiratorySystem	- 1
	matrix	bar	¹ NephritisNephroticSyndromeandNephrosis SymptomsSignsandAbnormalClinical DiseasesofHeart	- 1
			CerebrovascularDiseases AccidentsUnintentionalInjuries MotorVehicleAccidents	-

Now after seeing the options we have for each drop list we can go and see some visual illustration for the data we have and we will take each one of the options we have starting from Matrix and ending up with charts:

Category/Group 1	Category/Group 2	Matrix/Pivot	Bar Chart	Pie Chart	Line Chart	Data records	Dashboard	Matrix Balancing	Charts
AllCause	rate	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
CerebrovascularDiseases	CerebrovascularDiseases		bar	<u>pie</u>	line	detail report	stats dashboard	advanced	charts
County	County		bar	<u>pie</u>	line	detail report	stats dashboard	advanced	charts
County	rate	matrix	bar	<u>pie</u>	line	detail report	stats dashboard	advanced	charts
County	Year	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
DiseasesofHeart	DiseasesofHeart		bar	pie	line	detail report	stats dashboard	advanced	charts
NaturalCause	MalignantNeoplasms	matrix	bar	pie	line	detail report	stats dashboard	advanced	charts
rate	rate		bar	pie	line	detail report	stats dashboard	advanced	charts
rate	Year		bar			detail report	stats dashboard	advanced	charts

We have chosen county and rate as **Rate**, **Year** and 2 respectively, and selected pie chart for the representation.

1. Matrix:

nonthly counts_of_death

Sum	of	AllCause	in	group	by	rate, Year	

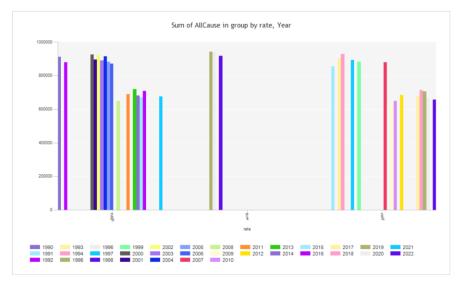
Overa AllCa	all <u>Sum of</u> use: 2641384	<u>14</u>													
	rate\Year	By rate:	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	high	12880568	911873	0	878603	0	0	0	0	0	0	0	925941	894890	923323
	low	2795116	0	0	0	0	0	940479	937228	0	917409	0	0	0	0
	mid	10738160	0	854342	0	904328	928062	0	0	893218	0	880660	0	0	0
		By Year:	911873	854342	878603	904328	928062	940479	937228	893218	917409	880660	925941	894890	923323

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Send rep	ort link to email address:		Share
Downloa	d Report Definition file		
Determine	OTI DOT monthly sounds of day	the second at TROOM and the second second second	

2. Bar:

monthly counts_of_death NaturalCause: ALL, month: ALL, rate: ALL,



3. Pie:

monthly counts_of_death NaturalCause: ALL, month: ALL, rate: ALL,

-

Sum of AllCause in group by rate, Year
high - 1990 mid - 1994 Iow - 1998 high - 2002 mid - 2010 mid - 2014 mid - 2017 mid - 2020 mid - 1991 Iow - 1996 mid - 1999 high - 2003 mid - 2007 high - 2011 high - 2014 mid - 2017 mid - 2020 mid - 1993 Iow - 1996 high - 2000 high - 2004 high - 2008 mid - 2012 high - 2018 mid - 2019 mid - 2022 mid - 1993 mid - 1997 high - 2001 high - 2005 mid - 2009 high - 2013 mid - 2019 mid - 2022

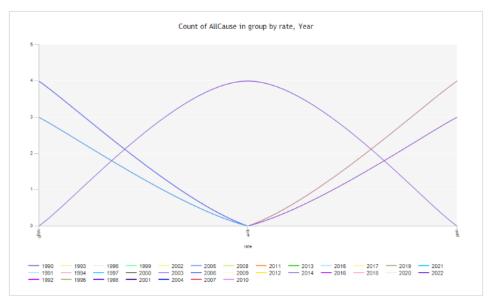
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4. Line:

monthly counts_of_death NaturalCause: ALL, month: ALL, rate: ALL,

4

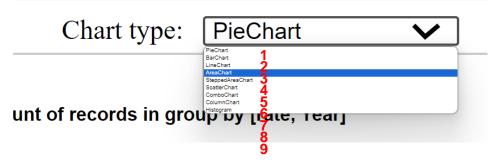


5. Detail Report:

NaturalCau	se All V mon	th All 🗸 rate All 🗸	Apply						
Graphs: axi			✓ and Year		× , axis Y A	llCause	~	numeric, aggregate Sum	reverse group order
orupasi an		Dashboard Statistics	SSRS reports: Matri	DrillDown	Bar Pie	Line	· .	- minuted and Percenter Comm	
		Dubilo di Cidobico							
🛛 🖾 hide du	plicate records	Records returned: 117	Search:	~	~	Sear	rch		
14 4 1	of 1 🕨 🕅 👘	¢ Find	Next 🛃 •						
		monthly counts	of_death - DrillDown						
	rate high								
	Subtotals Of AllCaus	e For: rate high							
	Count:	Sum:	Max:	Min:	Avg:	StDev:	CntDist:		
	57	12880568	265355	205274	225,974.88	13,670.37	26		
	rate low								
	Subtotals Of AllCaus	e For: rate low							
	Count:	Sum:	Max:	Min:	Avg:	StDev:	CntDist:		
	12	2795116	265355	204687	232,926.33	21,280.81	10		
	rate mid								
	Subtotals Of AllCaus	e For: rate mid							
	Count:	Sum:	Max:	Min:	Avg	StDev:	CntDist:		
	48	10738160	265355	208013	223,711.67	12,487.45	23		
	Overall totals Of AllC	ause							
	Count:	Sum:	Max:	Min:	Avg:	StDev:	CntDist:		
	117	26413844	265355	204687	225,759.35	14,262.36	33		
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6. Stats Dashboard:



This option can be performed in nine different form we will go through each one of them.

• PieChart:

Count of records in group by [rate, Year]	Distinct Count of [AllCause] in group by (rate, Year)	Value of [ABCause] in group by [rate, Year]	Sum of [ABCause] in group by [rate, Year]
high.2003	high 2003	high,2003	high,2003
Ngh 2004	• righ 2004	nigh, 2004	ngh.2004
• high 2005	• high 2005	• high 2005	nut. 2005
• krw, 1995	• knv: 1995	low, 1995	• love 1995
• high 2005 • kpv 3995	• high.2006 • low 1995	• nigh 2006	nigh 2006
• mid.2007	mid 2007	• mid 2007	• mid,2007
• mid, 1997	• mid,1997	• mid.1997	• mid 1997
<u>≜</u> 1/4 ▼	A 1/4 🛡	A 1/13 🔻	± 514 🔻
	maximize	maximize	maximize
Avg of (AllCause) in group by (rate, Year)	S(Dev of [AllCause] in group by (rate, Year)	Max of [AllCause] in group by [rate, Year]	Min of (ARCause) in group by (rate, Year)
high.2003	http://www.action.com/ http://wwwww.action.com/ http://www.action.com/ http://www.action	high.2003	high,2003
Nigh 2004	high.2004	nigh, 2004	nigh.2004
• Ngh 2005	http://www.inite.com/	ind, rus+ ind, rus+ ind, rus+	• high 2005
• kw, 1985	• kw, 1995	• Iov. 1995	• Ibux, 1995
Kigh 2005 Kov 1985	• high 2008	• high,2008	high, 2006 how 1996
● mid.2007	• mis.2007	• mid.2007	• mid.2007
• mid, 1997	• mid.1997	7eer.bm •	• md.1997
i 1/4 ▼	A 1/4 🔻	≜ 04 ▼	A 14 ¥

• BarChart:

lack	Chart type:	BarChart 🗸	reverse group order	monthly counts_of_death	List of Repor	ts Log.off				
	Count of records in gro	sup by (rate, Year)	Distinct Count o Year]	f [AllCause] in group by [rate,	Value of [All	Cause) in group by (rate, 1	(ear)	Sum of [AllCause]	in group by (rate, Yes	•1
ph.2003 ph.2005 ph.2005 ph.2005 ph.2001 ph.2001 ph.2005 ph.2015 ph.2015 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2021 ph.2025 ph.2005 ph.	5 3.0	3.5 4.0	Ngb, 2003 Ngb, 2003 Ngb, 1096 Ngb, 2001 Ngb, 2001 Ngb, 2005 Ngb, 2015 Ngb, 2021 Ngb, 2021 Ngb, 2021 Ngb, 2021 Ngb, 2021	2 4	hind 2007 hind 2007 hind 2017 mid, 1019 hind, 1019 hind, 1019 hind, 1019 hind, 1019 hind, 1019 hind, 2017 mid, 2017 mid, 2017 mid, 2017 mid, 2017 hind, 20	250,090	Al 300,000	high_2003 high_2003 high_2005 high_2005 mid_2002 mid_2002 mid_2005 mid_2005 mid_2005 mid_2005 high_2005 mid_2005 bigh_2005 mid_2005 mid_2005	80.00	1,000,000
ite			maximize		maximize			maximize		
	Avg of (AllCause) in gr	oup by [rate, Year]	StDev of (AllCas	ise] in group by [rate, Year]	Max of [AllC	ause) in group by (rate, Ye	er]	Min of (AllCause) in	group by (rate, Year	1
gh,2003 gh,2005 xx,1996 xx,1998 gh,2001 xd,2009 xd,2012 gh,2015 xd,2018			high.2003 high.2005 lov.1909 high.2001 mit.2002 high.2001 mit.2015 mit.2015 mit.2015 mit.1011		high, 2005 liew, 1996 high, 2001 mid, 2012 high, 2015 mid, 2015 mid, 2015 mid, 2018		AL	high.2003 high.2005 low.1986 low.1986 high.2019 mid.2019 high.2015 mid.2019 high.2015 mid.2019 high.2015	220.000	230,000
h,2021 Id,1991		-								
	000 220,000	230,000 240,000	0 10,0	000 20,000 30,000	210,000	250,000	300,000	200,000 200,000	220,000	200,000

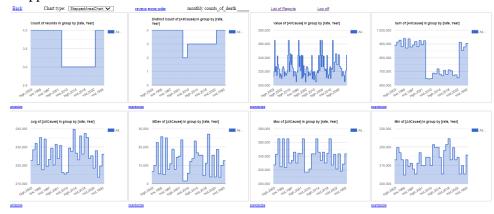
• LineChart:

Example de la construcción de grave by jen, "nelling de la construcción de la construcción de grave by jen, "nelling de la construcción de grave by jen, "nelling de la construcción de la construcci	Back Chart type: LineChart V	reverse group order monthly counts_of_death	List of Reports Log.off	
$\frac{1}{2}$		Year]		
$\begin{array}{c} 19 \\ 19 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\$	4.00 — AL	4.0 — Al	280,000 All	1,000,000
$\begin{array}{c} 13 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\$	3.75	3.5	260,000	900,000
$\frac{10}{10^{4}} \frac{1}{10^{4}} $	3.50	3.0	240,000	800,000
$\frac{1}{2} d^{2} d^$	125	2.5	220,000	700,000
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Ang of SpliCensel in group in yings, Yang	AND THE CARE AND	and the second of the second o	AND THE CONTRACT OF THE	The second day and the second day of the second day of the second day and the second day and the second day and
$\begin{array}{c} 240.00 \\ 230.00 \\ 210.00 \\ d^{2} d^$	minize	maximize	maximize	maximize
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	242.000	22.222	200.000	010 010
んちょうようちょうちょう ようちょうちょうちょうちょう くちょうちょうちょうちょうちょう	242.000	22.222	280.000 AL	010 010
Saniz nakoliz nakoliz	240,000	20,000 — AL.	280.000 AL.	220,000
	243.660 233.660 230.660 230.660	20,000 AL 20,000 AL 10,000 AL	200,000 200,000 200,000 200,000	220,000 AL

• AreaChart:



• SteppedChart:



• ScatterChart:



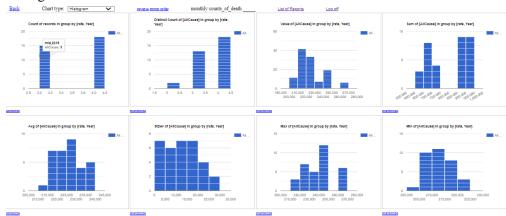
• ComboChart:



• ColumnChart:



• Histogram:

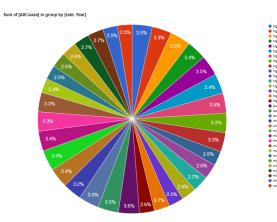


7. Advanced:

nonthly counts_of_d elect Scenario: 30 Talance 30 Darting Matters as room by mate	a matrix of som	and multiple solutions	for hereigned of a	terting and terget up	lues of the field2 ng to target values of the field	a	¥										
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County tyreph 240490 160322 Assetsupped 246123 164413 attansupped 227588 225521 Serroug 222582 225521 Serroug 222582	26-8 2-054 3044	4630H 50542 5H124 5H125	68-60 6383 7244	7234 2044 8305	3343 3266 7829	1408 11404 19076	2584 2407 2405	Caylaga Chavlaugu Cattaraigu Chemung	County 200184 200084 200084	40.167 254268 194605	3000	48782 48277 48065 0	61214 8477 8178 0	9036 9069 9077 0	3412	11661 11768 11197 11937 3	2977
County proga (2009) + 00000 hautaupaga (2010) + 00000 hautaupaga (2010) + 00000 atlan (2010)	24-4 2-54 3344 3746	4630H 50542 5H124 5H125	54.40 6383 7344 7453	7234 2081 8005 90162	33/13 3266 78239 6442	15405 11404 15075 14042	264 2427 248 248	Cayloga Disadaraja Cattaraiga Diemang Tutal 191211	County 200184 a 200064 b 279413 0 Tues by columns	-80167 304368 194605 5 887720	2022 3160 3135 0 8982	48782 48277 48065 0	6221 8477 8175 0	9036 9069 9077 0	3412 3875 3307 0	11661 11758 11107 3	2084 2877 2938 0
Convey Apriga 240403 (2022) Antoniopica 2021 (2442) Attanciosica 2021 (2442) Attanciosica 2021 (2442) Attanciosi 2021 (2552) Attanciosi 2	26-18 2124 2244 2298 43754	46304 85862 99928 99928 284858	54-0 4383 7244 24559	7038 2001 8005 80582 34716	3313 1396 7929 6442 24628	15405 11404 15075 14042	264 2427 248 248	Cayloga Disadaraja Cattaraiga Diemang Tutal 191211	raw County 200444 a 200064 a 200064 a 200064 b 20064 b 20066 b 200666 b 20066 b 200666 b 2006666 b 200666 b 2006666 b 20066666 b 20066666 b 2006666666 b 20066666666666666666666666666666666666	40.167 254268 194605	2022 3160 3135 0 8982	48782 48277 48065 0	6221 8477 8175 0	9036 9069 9077 0	3412 3875 3307 0	11661 11758 11107 3	2084 2877 2936 0
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Coverky synga (2000) statistical (2000) sta	2918 2024 2028 43794 43794 5000 5000 1 0000 1 0000	4000 50540 91105 281408 281408	64-10 6542 77544 7.953 26999 4 Rg8 Rg 4 Tg 4 153040, 77	7038 2005 10982 34746 10982	Pacters Pac	15405 11404 15075 14042	264 2427 248 248	Crysga Charlesop Cettarsegu Chemung Teau Balancing County Coysga	raw County 2019163 a 200065 a 279153 B Taum by coharons Matris Sum of raw County 2019164	990167 194055 194055 19 197720 1997720	3333 3163 3133 0 9582 9582	42720 42277 40055 0 147857	6221 8477 0175 0 18873 Diabete Statistics 8150 71	000 000 007 7 27104 AddreimerChassan 000-10	1413 1875 1987 19894 InfluenzeandPreumonia 1734 66	1984 1979 1937 3 Jakef Chronick, owerRespiratoryCheeses 1986 28	0061 1977 2030 0 8964 Other Oleanae a Office plantary Syst
County yap 24600 14022 anthrapp 28409 14602 Participa 28409 28992 2004 anthrapp 28092 2004 anthrapp 28092 2004 anthrapp 1400 2005 anthrapp 1400 anthrapp 14000 anthrapp 14000 anthrapp 14000 anthrapp 14000	2918 2014 2044 2098 13794 13794 1000 1 000 1 000 1 1000	4000 50540 91105 281408 281408	64-10 6342 7346 7950 20505 4 4 4 1 1 3 20505 7 9 5 5 5 7 9 5 7 9 7 9 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	1238 8041 8055 9052 34716 10102 1111 1111 1111 1111 1111 1111 1	2003 2004 7825 2442 21029 2100 2100	15405 11404 15075 14042	264 2427 248 248	Cayoga Chavitasip Cattarago Osenung Tata Stitl 291 Balancing County Cayoga Chavitasin	County 2001153 200055 279153 8 Turn ty rodument Matris San of roat County 200555	401/61 204005 2 9 97720 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2002 3140 3158 0 9992 5epticemi 2348.05	48790 48377 48050 0 147857 Maligner/Neoplasmu 51577-45	6221 8477 8175 0 81873 Diabete a Welling 0 8-65 71 8-77 10	9006 9009 9077 0 27164 AbbeirnerOtsesse 9061 05	2412 2875 2007 5 19854 InfluenzandPreumonia 2734.66 2930 01	resse resse ress 3 3467 Or prict, new Respiratory Of season 7006-28 resse	2064 2077 2020 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Centry with the second secon	2918 2014 2044 2098 13794 13794 1000 1 000 1 000 1 1000	40304 60826 59825 284506 28651 100771 0 26 0 28651 100771 0 26 0 28651 100771 0 26	64-10 6342 7346 7950 20505 4 4 4 1 1 3 20505 7 9 5 5 5 7 9 5 7 9 7 9 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	1238 8041 8055 9052 34716 10102 1111 1111 1111 1111 1111 1111 1	2003 2004 7825 2442 21029 2100 2100	15405 11404 15075 14042	264 2427 248 248	Cayoga Chavineto Cettarago Onemung Tatat Mitt2H Balancing County Cayoga Chavineto Cettarago	County 200163 200163 279153 8 Turn ty notures Matris Sum of row County 200564 279153	990167 194055 194055 19 197720 1997720	2002 3140 3158 0 9992 5epticemi 2348.05	48790 48377 48050 0 147857 Maligner/Neoplasmu 51577-45	6221 8477 8175 0 81873 Diabete a Welling 0 8-65 71 8-77 10	9006 9009 9077 0 27164 AbbeirnerOtsesse 9061 05	1413 1875 1987 19894 InfluenzeandPreumonia 1734 66	resse resse ress 3 3467 Or prict, new Respiratory Of season 7006-28 resse	0061 3017 2030 0 0064 Other Chanzas a c Respiratory Syste 3007 36
County County hyse 26500 160000 haskady 265102 160400 handle 265102 205001 handle 265002 205001 handle 260000 205000 gottab handle gottab gottab nature gottab	2918 2014 2044 2098 13794 13794 1000 1 000 1 000 1 1000	40304 60826 59825 284506 28651 100771 0 26 0 28651 100771 0 26 0 28651 100771 0 26	64-10 6342 7346 7950 20505 4 4 4 1 1 3 20505 7 9 5 5 5 7 9 5 7 9 7 9 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	1238 8041 8055 9052 34716 10102 1111 1111 1111 1111 1111 1111 1	2003 2014 7925 2442 21029 21000 2100 21	15405 11404 15075 14042	264 2427 248 248	Cayoga Chavitasip Cattarago Osenung Tata Stitl 291 Balancing County Cayoga Chavitasin	County 200168 200168 200050 279103 Barn by solution Sum of rown Sum of rown Solites 200964 200964 200964	440107 354060 194000 5 197720 197720 197720 197720 19702 19 19702 19 19702 19 19702 19 19702 19 19702 19	2002 3140 3158 0 9992 5epticemi 2348.05	48760 48377 48000 5 547957 547957 5157745 5177338 4400 19 0	0211 8477 8175 0 18873 Diabete sille illion 8150 71 8277 16 8245 1 0	9000 9089 0077 0 27184 Addwime/Disease 9091 05 1005 15 1005 15 0	2412 2875 2007 5 19854 InfluenzandPreumonia 2734.66 2930 01	1986 11799 11797 5 5 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	2064 2077 2020 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

8. Charts:

X Axis:	Y Axis:	Aggregation function:	
rate, Year	 AlCause 	👻 Sum 🗸	show char



Here we can notice that we have five different options for Show Analytics.

- Show Analytics
 - See Data Overall Statistics
 - Export Overall Statistics to Excel
 - See Groups Statistics
 - See Fields Correlation
 - Matrix Balancing

See Data Overall Statitiscs:

Here I have used the data overall statistics to have full overview of the data set using the By group we have mid in the previous step and selectedRate(Mid) variable to show data.

aturalCau	ise All	M month	All 🗸 Irate	mid 🗸 🛛	Apply						
Records r		Λ	Export to Exc		PP7						
	Year mont	rate IIC aug			ia MalignantNeoplasm	o Diabatao Mallitu	AlzheimerDiesee	InfluenzeendPreumonia	Chronicl owerPeepiraton/Diseases	OtherDiseases of Permiratory System	NephritisNephroticSyndromeandNeph
	1994 7	mid 215355		4194	52346	8053	11638	10005	16769	3797	4979
	2007 8	mid 2:0000		3459	48258	6851	9729		13986	3266	4307
0	1997 10	mid 22 4423	207336	3342	48745	6568	8859	4878	13982	3306	4247
7.0	1999 12	mid 21 175	193014	3019	48055	6076	8109	3679	11946	2983	3881
7.0	2007 8	mid 21 691	198767	3222	49792	6221	9038	3412	11681	3051	3845
	2009 10	mid 21,404	195312	3236	50196	6173	8346	3439	10768	2877	3797
	2010 11	mid 21(951	197673	3151	50112	6251	8361	3476	11473	2906	3935
1.0.	2012 1	mid 243 390	52346	8053	11638	10005	16769	3797	4979		63190
	2017 6	mid 230021	212140	3459	48258	6851	9729	5162	13986	3266	4307
1.0.	2018 7	mid 244283		3773	51566	7108	10076	6208	15417	3668	4652
/ /	20198	mid 227191		3480	48574	6522	9479	5068	13634	3277	4124
	2020 9	mid 224528		3257	49589	6626	9274	4053	12809	3232	4082
	2022 11	mid 219691	198767	3222	49792	6221	9038	3412	11681	3051	3845
nautaugua		mid 214310		3138	48688	6175	9077	3307	11107	2936	3723
hautauqua	1993 6	mid 218147	200741	3203	50900	6183	8319	3804	11412	2903	3881
nautaugua		mid 221317	204268	3192	49377	6477	9069	3875	11759	2977	3954
nautaugua	1997 10	mid 22 047	211028	3559	46226	6809	9477	6402	14196	3245	4344
nautauqua	1999 12	mid 22 317	204268	3192	49377	6477	9069	3875	11759	2977	3954
attaraugus	1991 4	mid 21 980	197001	3214	45558	6443	7315	5561	12747	2873	4064
attaraugus		mid 215600	199454	3125	48304	6343	7117	4512	12573	3179	3902
attaraugus	1994 7	mid 216862	199843	3105	49497	6272	7266	4099	12281	3101	3980
nautauqua		mid 2 6951	197673	3151	50112	6251	8361	3476	11473	2906	3935
nautauqua	2009 10	mid 216951	197673	3151	50112	6251	8361	3476	11473	2906	3935
nautauqua	2010 11	mid .21317	195312	3236	50196	6173	8346	3439	10768	2877	3797
nautauqua	2012 1	id 219691	198767	3222	49792	6221	9038	3412	11681	3051	3845
attaraugus	1997 10	mid 208013	190204	2931	49519	5930	6986	3312	10722	2778	3778
ttaraugus		mid 218147	200741	3203	50900	6183	8319	3804	11412	2903	3881
autauqua.	20176	mid 221317	204268	3192	49377	6477	9069	3875	11759	2977	3954
autauqua	2018 7	mid 243390	225948	3798	51105	7163	10182	6442	14242	3482	4543
hautauqua	2019 8	mid 265355	247269	4194	52346	8053	11638	10005	16769	3797	4979

Statistics for report: month	ly counts_of_death	Expo	ort to Excel									
Friendly Name	Field	Cour	t Count Distinct	First Value	Last Value	Sum	Min	Max	Average	StDev	95% CI	Var
County	County	117	4	Chemung	Cayuga							
Year	Year	117	33	2003	1993	234567	1990	2022	2004.85	9.43	2004.85 +- 1.71	88.94
month	month	117	12	4	6	768	1	12	6.56	3.23	6.56 +- 0.59	10.44
rate	rate	117	3	high	mid							
AllCause	AllCause	117	33	213051	243390	26413844	204687	265355	225759.35	14262.36	225759.35 +- 2584.37	203414948.25
NaturalCause	NaturalCause	117	35	193541	225948	23501529	46226	247269	200867.77	31573.09	200867.77 +- 5721.11	996859784.06
Septicemia	Septicemia	117	35	2993	3798	408381	2918	8053	3490.44	809.25	3490.44 +- 146.64	654892.44
MalignantNeoplasms	MalignantNeoplasms	117	35	47587	51105	5651471	9477	52346	48303.17	7271.57	48303.17 +- 1317.62	52875773.07
DiabetesMellitus	DiabetesMellitus	117	35	6051	7163	771982	5802	10005	6598.14	661.58	6598.14 +- 119.88	437694.69
AlzheimerDisease	AlzheimerDisease	117	35	8687	10182	1086684	6755	16769	9287.9	1530.32	9287.9 +- 277.3	2341864.59
InfluenzaandPneumonia	InfluenzaandPneumonia	117	35	3391	6442	524628	3245	10005	4484	1487.84	4484 +- 269.6	2213669.93
ChronicLowerRespiratoryDiseases	ChronicLowerRespiratoryDiseases	117	35	11703	14242	1445093	4344	16769	12351.22	2149.31	12351.22 +- 389.46	4619551.16
OtherDiseasesofRespiratorySystem	OtherDiseasesofRespiratorySystem	117	34	3058	3482	367070	2578	3797	3137.35	292.64	3137.35 +- 53.03	85637.83
NephritisNephroticSyndromeandNephrosis	NephritisNephroticSyndromeandNephrosis	117	33	3927	4543	699066	3631	63190	5974.92	10016.66	5974.92 +- 1815.04	100333432.62
SymptomsSignsandAbnormalClinical	SymptomsSignsandAbnormalClinical	117	32	2545	3409	356801	2449	13576	3049.58	1833.15	3049.58 +- 332.17	3360456.23
DiseasesofHeart	DiseasesofHeart	117	35	49210	57992	5952484	11040	63190	50875.93	8317.15	50875.93 +- 1507.08	69174966.17
CerebrovascularDiseases	CerebrovascularDiseases	117	35	10980	12630	1319368	2350	13576	11276.65	1799.63	11276.65 +- 326.1	3238671.13
AccidentsUnintentionalInjuries	AccidentsUnintentionalInjuries	117	35	13289	11971	1422151	3215	14245	12155.14	1865.01	12155.14 +- 337.94	3478250.48
MotorVehicleAccidents	MotorVehicleAccidents	117	35	3542	3095	367820	1124	3642	3143.76	494.16	3143.76 +- 89.54	244189.48
IntentionalSelfHarmSuicide	IntentionalSelfHarmSuicide	117	33	3726	3394	436826	3091	4354	3733.56	253.27	3733.56 +- 45.89	64143.35
AssaultHomicide	AssaultHomicide	117	31	1657	1411	175852	1050	1804	1503.01	175.42	1503.01 +- 31.79	30773.61
DrugOverdose	DrugOverdose	117	34	5128	4002	539943	3733	6403	4614.9	581.17	4614.9 +- 105.31	337756.27
Indx	Indx	117	117	1	117	6903	1	117	59	33.92	59 +- 6.15	1150.5

NaturalCause All V month All V rate mid V Apply

Export overall Statistics to Excel:

And here I have used the second tool which is Export overall statistics to Excel and the special feature of this tool is that it is giving a quick and yet useful pieces of information such as the confidence level, Average and Standard deviation.

Column1 🔻	Column2 🔻	Column3 🔻	Column4 🔻	Column5 🔻	Column6 🔻	Column7 🔻	Column8 🔻	Column9 🔻	Column10 🔻	Column11 🔻	Column12 🔻	Column13 🔻	Column14
Statistics for	r Report: m	nonthly count	ts_of_death										
NaturalCaus	e: ALL												
month: ALI													
rate: ALL													
Friendly Nar	Field	Count	Count Distin	n First Value	Last Value	Sum	Min	Max	Average	StDev	95% CI	Var	
County	County	117			Cayuga								
Year	Year	117	33	2003	1993	234567	1990	2022	2004.85	9.43	2004.85 +- 1.	88.94	
month	month	117	12	4		768	1	12	6.56	3.23	6.56 +- 0.59	10.44	
rate	rate	117	3	high	mid								
AllCause	AllCause	117	33	213051	243390	26413844	204687	265355	225759.35	14262.36	225759.35 +	203414948	
NaturalCaus	NaturalCaus	5 117	35	193541	225948	23501529	46226	247269	200867.77	31573.09	200867.77 +	996859784	
Septicemia	Septicemia	117	35	2993	3798	408381	2918	8053	3490.44	809.25	3490.44 +- 14	654892.44	
MalignantN	MalignantN	e 117	35	47587	51105	5651471	9477	52346	48303.17	7271.57	48303.17 +- 3	52875773.1	
DiabetesMe	DiabetesMe	117	35	6051	7163	771982	5802	10005	6598.14	661.58	6598.14 +- 1	437694.69	
AlzheimerDi	AlzheimerDi	i 117	35	8687	10182	1086684	6755	16769	9287.9	1530.32	9287.9 +- 27	2341864.59	
Influenzaan	Influenzaan	117	35	3391	6442	524628	3245	10005	4484	1487.84	4484 +- 269.	2213669.93	
ChronicLow	ChronicLow	117	35	11703	14242	1445093	4344	16769	12351.22	2149.31	12351.22 +-	4619551.16	
OtherDiseas	OtherDiseas	s 117	34	3058	3482	367070	2578	3797	3137.35	292.64	3137.35 +- 5	85637.83	
NephritisNe	NephritisNe	117	33	3927	4543	699066	3631	63190	5974.92	10016.66	5974.92 +- 18	100333433	
SymptomsS	SymptomsS	i 117	32	2545	3409	356801	2449	13576	3049.58	1833.15	3049.58 +- 3	3360456.23	
DiseasesofH	Diseasesof	117	35	49210	57992	5952484	11040	63190	50875.93	8317.15	50875.93 +- 3	69174966.2	
Cerebrovas	Cerebrovas	c 117	35	10980	12630	1319368	2350	13576	11276.65	1799.63	11276.65 +- 3	3238671.13	
AccidentsUr	AccidentsUr	· 117	35	13289	11971	1422151	3215	14245	12155.14	1865.01	12155.14 +-	3478250.48	
MotorVehic	MotorVehic	117	35	3542	3095	367820	1124	3642	3143.76	494.16	3143.76 +- 8	244189.48	
IntentionalS	IntentionalS	117	33	3726	3394	436826	3091	4354	3733.56	253.27	3733.56 +- 4	64143.35	
AssaultHom	AssaultHom	117	31	1657	1411	175852	1050	1804	1503.01	175.42	1503.01 +- 3	30773.61	
DrugOverdo	DrugOverdo	: 117	34	5128	4002	539943	3733	6403	4614.9	581.17	4614.9 +- 10	337756.27	
Indx	Indx	117	117	1	117	6903	1	117	59	33.92	59 +- 6.15	1150.5	
Last importe	ed from the f	ile Monthly_	Counts_of_D	eathstest0.c	sv on 10/16/	2023 8:43:5	7 PM						

Group Statistics:

In this section of the report, I will illustrate the utilization of the Group Statistics tool, which has enabled me to transform the dataset into a visually engaging chart. This chart presents a comprehensive overview of key details, enhancing the clarity and facilitating a straightforward comparison of the data at hand.

		ly counts_of_death		Schedu	ile report Help				_
	tis X AllCause Google Charts	Dashboard Statistics	Apply and rate SSRS reports: Matrix	DrillDown	Bar Pie	nonth	~	☑ numeric, aggregate [Sm reverse group order
🖉 hide d	uplicate records	Records returned: 117	Search:	► 1	v	Searc	ch		-
4 1	of 1 🕨 🕅	¢ Find	Next 🔍 -						
		monthly counts_of_	death - Groups Statistic	S					
Ŧ									
	Subtotals for group	Max:	Min:	<u>Avg:</u>	StDev:	CntDist:	First:	Last:	
	279	12	1	4.89	2.89	10	4	5	
Ŧ	rate/month low	12	1	4.05	2.09	10	4	5	
	Sum:	Max:	Min:	Avg:	StDev:	CntDist:	First:	Last:	
	112	11	8	9.33	1.30	3	8	11	
Ŧ	rate/month mid								
	Subtotals for group	{ rate/month mid } of m	onth:						
	Sum:	Max:	Min:	<u>Avg:</u>	StDev:	CntDist:	First:	Last:	
	377	12	1	7.85	2.90	9	7	6	

Last imported from the file Monthly_Counts_of_Deathstest0.csv on 10/16/2023 8:43:57 PM

After applying the fields we desire we would have the set of data in the below picture.

ohs: axis X AllCause	Dashboard Statistics	✓ and rate	Matrix DrillDe		is Y month		✓ v v v v v v v v v v v v v v v v v v v	gate Sum 🗸 🗸	reverse group order	
Google Charts	Dashboard Statistics	SSRS reports:	Matrix DrillDo	own Bar	Pie					
hide duplicate records	Records returned		h:	~ ~		Search				
4 1 of 1 🕨 🕅	4	Find Next 🛛 🔍 🔹								
			C 1							
	<u>monthly</u>	<u>counts o</u>	<u>f death</u>							
									_	
rate/month low										-
County	Year	month	rate	AllCause	NaturalCause	Septicemia	MalignantNeoplasms	DiabetesMellitus	Alz eimerDisease	Influenza
Cayuga	1995	8	low	227047	211028	3559	46226	6809	9477	
Cayuga	1996	9	low	242712	224708	3723	51192	7106	9790	
	1998	44	low	223600	205087	3204	50072	6479	0074	
Cayuga	1990						30072	6479	8674	
	1995		low	243390	225948	3798	51105	7163	10182	
Chautauqua		8								
Chautauqua Chautauqua	1995	8 9	low	243390	225948	3798	51105	7163	10182	
Chautauqua Chautauqua Chautauqua	1995 1996	8 9 11	low	243390 265355	225948 247269	3798 4194	51105 52346	7163 8053	10182 11638	
Chautauqua Chautauqua Chautauqua Cattaraugus	1995 1996 1998	8 9 11 8	low low	243390 265355 242712	225948 247269 224708	3798 4194 3723	51105 52346 51192	7163 8053 7106	10182 11638 9790	
Chautauqua Chautauqua Chautauqua Cattaraugus Cattaraugus	1995 1996 1998 1995	8 9 11 8 9	low low low low	243390 265355 242712 204687	225948 247269 224708 187644	3798 4194 3723 2947	51105 52346 51192 48103	7163 8053 7106 5802	10182 11638 9790 6755	
Chautauqua Chautauqua Chautauqua Cattaraugus Cattaraugus Cattaraugus	1995 1996 1998 1995 1996	8 9 11 8 9 11	low low low low low	243390 265355 242712 204687 209373	225948 247269 224708 187644 192035	3798 4194 3723 2947 3112	51105 52346 51192 48103 49259	7163 8053 7106 5802 5983	10182 11638 9790 6755 6990	
Chautauqua Chautauqua Chautauqua Cattaraugus Cattaraugus Cattaraugus Chemung	1995 1996 1998 1995 1996 1998	8 9 11 8 9 11 8	low low low low low low	243390 265355 242712 204687 209373 205274	225948 247269 224708 187644 192035 188322	3798 4194 3723 2947 3112 2918	51105 52346 51192 48103 49259 48331	7163 8053 7106 5802 5983 5810	10182 11638 9790 6755 6990 7238	
Cayuga Chautauqua Chautauqua Chautauqua Cattaraugus Cattaraugus Cattaraugus Chemung Chemung Chemung	1995 1996 1998 1995 1996 1998 1998	8 9 11 8 9 11 8	low low low low low low low low	243390 265355 242712 204687 209373 205274 265355	225948 247269 224708 187644 192035 188322 46226	3798 4194 3723 2947 3112 2918 6809	51105 52346 51192 48103 49259 48331 9477	7163 8053 7106 5802 5983 5810 6402	10182 11638 9790 6755 6990 7238 14196	
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In the next picture we will visulize the data we have in three forms:

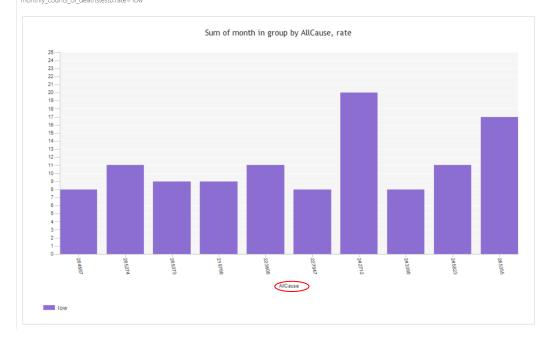
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Year month	rate AllCause	NaturalCause	Septicemia 88	MalignantNeoplasms	DiabetesMellitus	AlzheimerDis

• Bar:

8 low

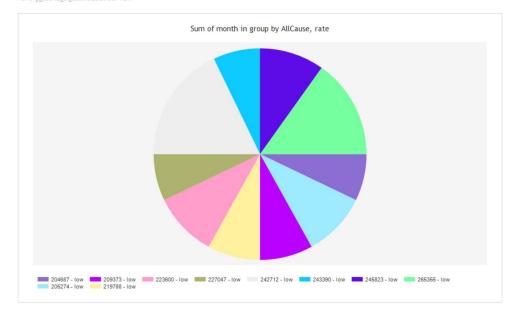
9 low

1 monthly counts_of_death monthly_counts_of_deathstest0.rate="low"



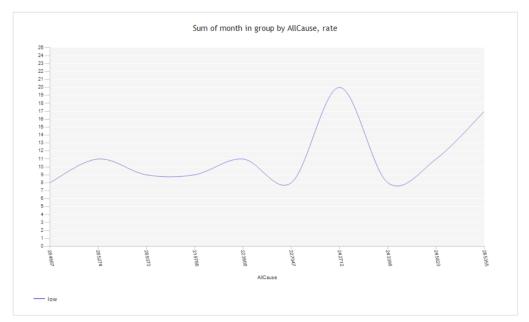
• Pie:

monthly counts_of_death monthly_counts_of_deathstest0.rate='low'



• Line:

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See Fields Correlation:

Before diving into this part we should have an idea about Correlation and what does it mean.

Correlation is a statistical measure that quantifies the degree to which two variables are related to each other. It helps us understand the relationship between these variables, specifically whether they move in a consistent way. Correlation does not imply causation; in other words, it doesn't tell us that changes in one variable cause changes in the other. Instead, it indicates that there may be a statistical association between the two variables.

Here's how correlation works:

- Variables: In a correlation analysis, you have two variables, often referred to as X and Y. These can be any quantitative data, such as age and income, temperature and ice cream sales, or test scores and study hours.
- Data Collection: You collect data points for both variables. For example, you might gather information on the age and income of a group of people.
- Calculation: There are different methods to calculate correlation, with the Pearson correlation coefficient (r) being the most common. It measures the strength and direction of the linear relationship between two variables

Correlation is a powerful tool for exploring relationships in data, identifying patterns, and making predictions. It's commonly used in fields such as economics, social sciences, and natural sciences. However, it's important to remember that correlation does not prove causation. While two variables may be correlated, there could be underlying factors or coincidences driving the relationship. Further research and experimentation are often needed to establish causation.

Now we can introduce the fourth tool, known as the Field Correlation tool, proves to be exceptionally valuable in assessing the degree of interrelation among the dataset variables. Subsequently, we can represent this data using graphical aids, such as bar charts, to visually convey the insights derived. To illustrate this, consider the following example:

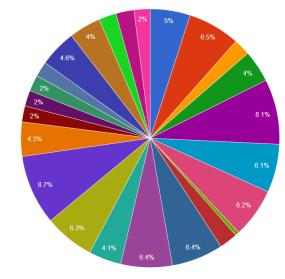
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cords						
	Field 1	Field 2	Correlation Coefficient	RDL	Charts	Dashboard
	AccidentsUnintentionalInjuries	AlzheimerDisease	0.57	bar	<u>charts</u>	stats dashboard
	AccidentsUnintentionalInjuries	CerebrovascularDiseases	0.79	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	ChronicLowerRespiratoryDiseases	0.61	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	DiseasesofHeart	0.78	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	MalignantNeoplasms	0.84	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	MotorVehicleAccidents	0.81	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	NaturalCause	0.78	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	NephritisNephroticSyndromeandNephrosis	0.84	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	Septicemia	0.79	bar	charts	stats dashboard
	AccidentsUnintentionalInjuries	SymptomsSignsandAbnormalClinical	0.84	bar	charts	stats dashboard
	AllCause	AlzheimerDisease	0.69	bar	charts	stats dashboard
	AllCause	DiabetesMellitus	0.73	bar	charts	stats dashboard
	AllCause	InfluenzaandPneumonia	0.75	bar	charts	stats dashboard
	AllCause	OtherDiseasesofRespiratorySystem	0.61	bar	charts	stats dashboard
	AllCause	Septicemia	0.57	bar	charts	stats dashboard
	AlzheimerDisease	AccidentsUnintentionalInjuries	0.57	bar	charts	stats dashboard
	AlzheimerDisease	AllCause	0.69	bar	charts	stats dashboard
	AlzheimerDisease	DiabetesMellitus	0.72	bar	charts	stats dashboard
	AlzheimerDisease	MalignantNeoplasms	0.69	bar	charts	stats dashboard
	AlzheimerDisease	MotorVehicleAccidents	0.59	bar	charts	stats dashboard
	AlzheimerDisease	NephritisNephroticSyndromeandNephrosis	0.74	bar	charts	stats dashboard
	AlzheimerDisease	Septicemia	0.82	bar	charts	stats dashboard
	AlzheimerDisease	SymptomsSignsandAbnormalClinical	0.74	bar	charts	stats dashboard
	AssaultHomicide	DrugOverdose	0.66	bar	charts	stats dashboard
	AssaultHomicide	IntentionalSelfHarmSuicide	0.66	bar	charts	stats dashboard
	AssaultHomicide	MotorVehicleAccidents	0.66	bar	charts	stats dashboard
	CerebrovascularDiseases	AccidentsUnintentionalInjuries	0.79	bar	charts	stats dashboard
	CerebrovascularDiseases	ChronicLowerRespiratoryDiseases	0.84	bar	charts	stats dashboard
	CerebrovascularDiseases	DiseasesofHeart	0.97	bar	charts	stats dashboard
	CerebrovascularDiseases	MalignantNeoplasms	0.9	bar	charts	stats dashboard
	CerebrovascularDiseases	NaturalCause	0.97	bar	charts	stats dashboard
	CerebrovascularDiseases	NephritisNephroticSyndromeandNephrosis	0.88	bar	charts	stats dashboard
	CerebrovascularDiseases	Septicemia	0.78	bar	charts	stats dashboard
	CerebrovascularDiseases	SymptomsSignsandAbnormalClinical	0.86	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	AccidentsUnintentionalIniuries	0.61	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	CerebrovascularDiseases	0.84	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	DiseasesofHeart	0.84	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	InfluenzaandPneumonia	0.72	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	MalignantNeoplasms	0.73	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	NaturalCause	0.84	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	NephritisNephroticSyndromeandNephrosis	0.66	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	OtherDiseasesofRespiratorySystem	0.73	bar	charts	stats dashboard
	ChronicLowerRespiratoryDiseases	SymptomsSignsandAbnormalClinical	0.66	bar	charts	stats dashboard
	DiabetesMellitus	AllCause	0.73	bar	charts	stats dashboard
	DiabetesMellitus	AlzheimerDisease	0.72	bar	charts	stats dashboard
	DiabetesMellitus	InfluenzaandPneumonia	0.58		charts	stats dashboard
	DiabetesMellitus	MotorVehicleAccidents	0.65	bar bar	charts	stats dashboard
	DiabetesMellitus	word vehicleAccidents	0.68		charts	
	Diabetesmennus	AccidentsUnintentionalInjuries	0.00	bar bar	charts	stats dashboard stats dashboard
	DiseasesofHeart	CerebrovascularDiseases	0.97		charts	stats dashboard
	DiseasesofHeart	ChronicLowerRespiratoryDiseases	0.84	<u>bar</u> bar	charts	stats dashboard
	Diseasesolitean	Malianaphile anless	0.88	bar	charts	stats dashboard
	DiseasesofHeart	NaturalCause	0.99	bar	charts	stats dashboard
	Diseasesoinean	ivatural@duse	0.33	Dat	chans	stats uastiboard

Here we can see that the highest Correlation coefficient is between Diseases of Heart and Cerebrovascular Diseases. And we shell use the RDL chart and the charts to demonstrate that.



show chart

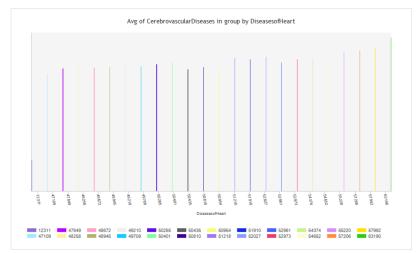
Sum of [CerebrovascularDiseases] in group by [CerebrovascularDiseases,DiseasesofHeart]





1 monthly counts_of_death

monthly_counts_of_deathstest0.rate='mid'



Conclusion:

A meticulous and comprehensive analysis of a vast dataset spanning from 1990 to 2022 has unveiled a multitude of compelling trends in the realm of mortality over this substantial twentyyear period. Within this trove of data, one particularly striking revelation emerges - the unwavering predominance of natural causes of death. Not only have these natural causes retained their prominence, but they have also exhibited a discernible increase in prevalence over the course of these two decades. To put this into perspective, in 1990, the number of deaths attributed to natural causes stood at a substantial 188,322 cases in Cayuga County. As time flowed onward, this figure experienced a steady ascent, ultimately reaching approximately 193,541 cases by the year 2022 in Cayuga County. This substantial upward trajectory in the prevalence of natural causes of death is a trend that cannot be ignored and warrants earnest consideration.

Simultaneously, the data underscores a noteworthy competition between heart issues and Malignant Neoplasms, both vying for the position of the second most common causes of mortality in Cayuga County. In 1990, heart problems were responsible for approximately 46,909 cases, while Malignant Neoplasms accounted for a notable 48,331 cases. As the years unfolded, these numbers underwent transformations, and by the time 2022 rolled around, the statistics had shifted to approximately 49,709 cases for heart problems and approximately 49,792 for Malignant Neoplasms in Cayuga County. While the prevalence of heart problems remained more substantial throughout the entire two-decade period, Malignant Neoplasms consistently posed a significant health concern and emerged as a close and formidable second, challenging the status quo.

In light of this data in Cayuga County, it becomes undeniably evident that there exists an urgent imperative to address the issue of natural causes of death, as they present a substantial and escalating public health challenge. The consistent upward trajectory in the numbers of cases underscores the need for immediate attention and action in this regard. Moreover, this data serves as a resounding reminder of the continued importance of persistent efforts aimed at combating heart problems and Malignant Neoplasms. These two maladies have remained firmly entrenched as the top two non-natural causes of mortality throughout the two-decade period in Cayuga County. Their figures, while subject to some fluctuations, have largely remained stable, emphasizing the critical nature of sustained initiatives in addressing and managing these health concerns.

In conclusion, this in-depth analysis of data spanning from 1990 to 2022 provides a window into the evolving landscape of mortality trends in Cayuga County. The findings resonate with the importance of public health strategies and interventions, particularly in the face of the rising prominence of natural causes of death. Furthermore, it underscores the consistent challenges

posed by heart issues and Malignant Neoplasms in Cayuga County, reiterating the need for ongoing efforts in tackling these formidable adversaries to human health.

Sources: We have obtained our data set from a public website called **Data.Gov** <u>https://catalog.data.gov</u>

Here is the link for our video: