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‘Data Mining’

A brief coverage of the new feature utilizing the data of the ‘*NZLG Database*’ ...

‘Data Mining’

See www.kauriglen.co.nz/larry/presentations/LGfin05



The value and benefits of *'Data Mining'*

The *'Data Mining'* tool is an aid to more accurate budgeting and policy analysis tasks which provides the ability to select, analyse and report data taken from the *'NZLG Database'* (see URL www.kauriglen.co.nz/larry/NZLGDatabase.doc).

A group of 'peer' comparative Councils is made, (as specified by the subscriber) and the financial or other data for the previous five financial years is extracted and reported.

The data is analysed using a variety of statistical functions, (simple averages, standard deviations etc) and these provide a useful perspective of the data for budgeting purposes.

The scheduled data will give LTCCP financial plans a new dimension and depth. 'Pegs in ground' prospective target setting for the next three and ten year periods are better informed with the assistance of this information.

This information and its reporting is available at 'modest cost' ('POA') dependent upon its range and complexity.

The following graphics show this process and presentations of the selected data.



'Data Mining' data

A copy of a sample of financial data taken from the 'NZLG Database' ...from which a 'peer' group sub sample is selected.

Microsoft Excel - lgs05wissdbaseGovtdata (00-04)1

File Edit View Insert Format Tools Data Window Help

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A1 =Report Criteria!B3

	A	B	C	E	G	I	K
1	Expenditure -roads (\$)						
2			2000-01	2001-02	2002-03	2003-04	2004-05
3	Council Name	Cohort	\$	\$	\$	\$	\$
4	Ashburton District Council	P	5,202.0	5,895.0	6,169.0	7,507.0	8,173.0
5	Auckland City Council	M	79,331.0	71,900.0	79,684.0	153,459.0	152,380.0
6	Banks Peninsula District Council	R	3,613.0	6,587.0	3,820.0	3,725.0	3,763.0
7	Buller District Council	R	3,023.0	3,082.0	3,655.0	3,578.0	4,136.0
8	Carterton District Council	R	1,912.0	1,972.0	2,103.0	2,063.0	2,065.0
9	Central Hawkes Bay District Council	P	7,459.0	7,242.0	7,407.0	7,987.0	10,770.0
10	Central Otago District Council	P	5,815.0	5,614.0	5,956.0	5,827.0	6,217.0
11	Chatham Islands Council	R	1,105.0	1,106.0	1,326.0	1,434.0	1,524.0
12	Christchurch City Council	M	49,680.0	55,049.0	51,280.0	58,165.0	82,272.0
13	Clutha District Council	P	10,872.0	10,826.0	10,782.0	11,942.0	12,111.0
14	Dunedin City Council	M	20,395.0	21,267.0	23,640.0	26,502.0	24,791.0
15	Far North District Council	P	15,896.0	15,518.0	16,534.0	18,695.0	18,768.0
16	Franklin District Council	P	10,329.0	13,377.0	13,264.0	14,678.0	13,921.0
17	Gisborne District Council	P	13,337.0	14,596.0	14,939.0	16,374.0	17,787.0
18	Gore District Council	R	5,081.0	2,843.0	4,039.0	3,648.0	3,001.0
19	Grey District Council	R	4,116.0	4,201.0	4,376.0	4,506.0	5,060.0
20	Hamilton City Council	M	22,649.0	19,146.0	22,246.0	31,047.0	33,740.0
21	Hastings District Council	P	17,750.0	17,200.0	23,827.0	19,832.0	21,525.0

Report Criteria / Report (2) / Report / Expenditure -roads (\$) /

Ready



‘Data Mining’ Report – showing the types of reporting analysis and scheduling provided (sample only)

Council Name	Cohort	Pop	Council Current Significant Activity Expenditures											
			Roading Exp		Water Exp		Waste-water Exp		Parks & Reserves Exp		Total Council Expenditure	Total Per Capita	3 Year Average Per Capita	% change per capita over last three years
			\$000	\$	\$000	\$	\$000	\$	\$000	\$	\$000	\$	\$	
New Plymouth	City	69,200	15,931	230	5,495	79	7,269	105	13,762	199	83,113	1,201	997	17.0%
Hastings	Prov	71,100	21,525	303	11,113	156	0	0	4,829	68	63,358	891	867	2.7%
Masterton	Prov	23,300	7,119	306	2,577	111	1,813	78	2,254	97	20,802	893	780	12.6%
Palmerston North	City	78,100	13,154	168	5,668	73	3,587	46	4,975	64	71,745	919	849	7.5%
Rotorua	City	67,800	11,760	173	4,419	65	7,536	111	6,894	102	68,928	1,017	952	6.4%
Timaru	Prov	43,100	9,507	221	3,856	89	2,000	46	2,380	55	50,127	1,163	1,097	5.7%
Wanganui	Prov	43,600	15,000	344	2,786	64	1,024	23	2,908	67	34,324	787	670	14.9%
Whangarei	City	72,200	20,633	286	10,624	147	5,825	81	6,064	84	67,027	928	864	6.9%
AVERAGE			14,329	254	5,817	98	3,632	61	5,508	92	57,428	975	885	9.2%
MEDIAN			14,077	258	4,957	84	2,794	62	4,902	76	65,193	923	866	7.2%
STD DEVIATION			5,039	65	3,312	36	2,909	39	3,746	46	20,883	143	132	5.0%