

XmdvTool Format

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- XmdvTool is a public-domain visualization package for exploring multivariate data sets.
- developed at WPI
- used in a wide range of disciplines since its initial release in 1994.
- web page, <http://davis.wpi.edu/~xmdv>, provides access to the source code, documentation, binary executables, and numerous case studies and data sets.
- data file structure is quite simple,
- first line contains the number of variables and data points in the file.
- next group of lines provide labels for each of the variables.
- Following this are three values for each variable: the minimum value, the maximum value, and the number of bins into which to break the range for one of the visualization techniques supported by Xmdv.
- rest of the file contains the data itself (integer or real), separated by spaces, tabs, or newlines.

```

7 13
ft_police
unemp
manu_wrkrs
handgun_lcs
gov_wrkrs
cleared
homicides
255. 400. 4 0. 12. 4 450. 620. 4 100. 1200. 4 120. 250. 4 50. 100. 4 0. 60. 4
260.3500 11.00 455.5 178.1500 133.9 93.400 8.6000
269.8000 7.00 480.2 156.4100 137.6 88.500 8.9000
272.0400 5.20 506.1 198.0200 143.6 94.400 8.5200
272.9600 4.30 535.8 222.1000 150.3 92.000 8.8900
272.5100 3.50 576.0 301.9200 164.3 91.000 13.0700
261.3400 3.20 601.7 391.2200 179.5 87.400 14.5700
268.8900 4.10 577.3 665.5600 187.5 88.300 21.3600
295.9900 3.90 596.9 1131.2100 195.4 86.100 28.0300
319.8700 3.60 613.5 837.6000 210.3 79.000 31.4900
341.4300 7.10 569.3 794.9000 223.8 73.900 37.3900
356.5900 8.40 548.8 817.7400 227.7 63.400 46.2600
376.6900 7.70 563.4 583.1700 230.9 62.500 47.2400
390.1900 6.30 609.3 709.5900 230.2 58.900 52.3300

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Figure 1: Detroit crime statistics. Original data downloaded from <http://statlib.cmu.edu>.