



**Learn About One-Way MANOVA in  
SPSS With Data From the  
Canadian Fuel Consumption  
Report (2015)**

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# Learn About One-Way MANOVA in SPSS With Data From the Canadian Fuel Consumption Report (2015)

## About This Dataset

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### Data Source Citation

Natural Resources Canada. 2015). *Fuel consumption ratings* [Data file]. Retrieved from <http://data.gc.ca/data/en/dataset/98f1a129-f628-4ce4-b24d-6f16bf24dd64>

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### Full title of originating dataset

2015 – Fuel Consumption Ratings

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### Data author(s) and affiliations

Natural Resources Canada, Government of Canada

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### Dataset source website address

<http://data.gc.ca/data/en/dataset/98f1a129-f628-4ce4-b24d-6f16bf24dd64>

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### Data Universe

Vehicles for retail sale in Canada

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### Funding sources/suppliers

Natural Resources Canada

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## Data collection dates

2015

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## Unit of analysis

Vehicles

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## Location covered by data

Canada

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## Links to SRM content

- Iversen, G. (2004). Multivariate analysis of variance and covariance (MANOVA and MANCOVA). In M.S., Lewis-Beck, A. Bryman, & T. Futing Liao (Eds.), *The SAGE encyclopedia of social science research methods*. (pp. 703–704). Thousand Oaks, CA: Sage Publications, Inc. doi: <http://dx.doi.org/10.4135/9781412950589.n608>
  - Kraska, M. (2010). Multivariate analysis of variance (MANOVA). In N.J. Salkind (Ed.), *Encyclopedia of research design*. (pp. 858–863). Thousand Oaks, CA: SAGE Publications, Inc. doi: <http://dx.doi.org/10.4135/9781412961288.n257>
  - Bray, J.H., & Maxwell, S.E. (1985). *Multivariate analysis of variance*. Newbury Park, CA: SAGE Publications, Inc. doi: <http://dx.doi.org/10.4135/9781412985222>
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## List of variables

**year**

Year

**make**

Make

**model**

Model

**class**

Class

**enginesize**

Engine Size

**fuelusecity**

Fuel Use City

**fuelusehwy**

Fuel Use Highway

**fueluseboth**

Fuel Use Combined

**mpgboth**

MPG Combined

**co2emissions**

CO2 Emissions

**cylinders468**

Num of Cylinders

**cylinder4**

4-cylinder

**cylinder6**

6-cylinder

**cylinder8**

8-cylinder

**trans2**

Transmission

**fuel**

Fuel Type