



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

© 2019 SAGE Publications, Ltd. All Rights Reserved.

This PDF has been generated from SAGE Research Methods Datasets.

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

## About This Dataset

---

### 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>

---

### Full title of originating dataset

2015 – Fuel Consumption Ratings

---

### Data author(s) and affiliations

Natural Resources Canada, Government of Canada

---

### Dataset source website address

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

---

### Data Universe

Vehicles for retail sale in Canada

---

### Funding sources/suppliers

Natural Resources Canada

Dataset contains information licensed under the Open Government Licence – Canada (<http://open.canada.ca/>)

[en/open-government-licence-canada\)](#)

---

## Data collection dates

2015

---

## Unit of analysis

Vehicles

---

## Location covered by data

Canada

---

## 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. Retrieved from <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. Retrieved from <http://dx.doi.org/10.4135/9781412961288.n257>
  - Bray, J. H., & Maxwell, S. E. (1985). *Multivariate analysis of variance*. Newbury Park, CA: SAGE. Retrieved from <http://dx.doi.org/10.4135/9781412985222>
- 

## 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