

Applications for Data in Research

Rachel Brasier

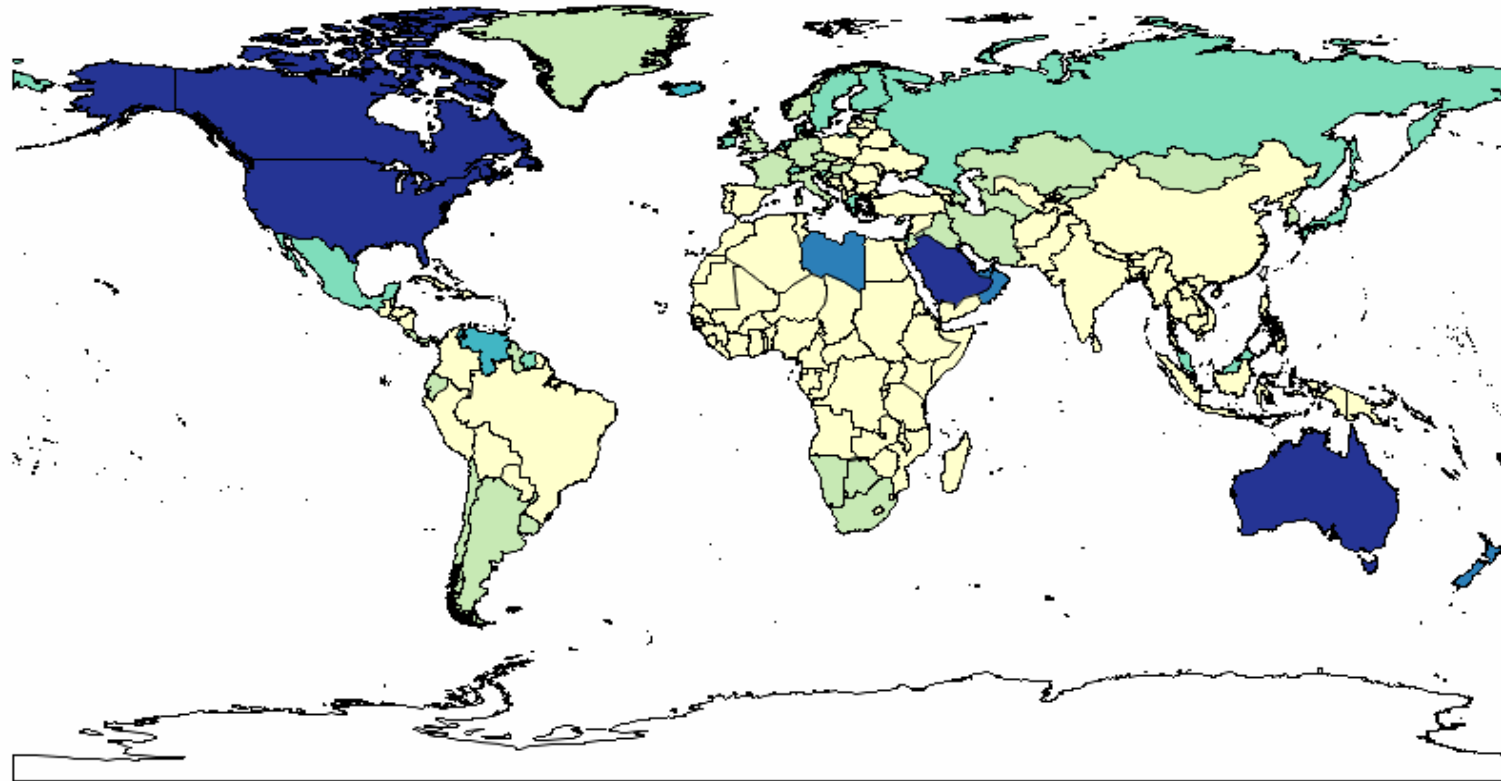
9 June 2017

Part I: Maps

- Energy in the 11th District ([link](#))
- Energy Slideshow U.S. maps
- World maps
- Ukraine maps

World Maps

Global Consumption Per Capita of Motor Gasoline



Barrels per year <1 1 to <2 2 to <3 3 to <4 4 to <5 5+

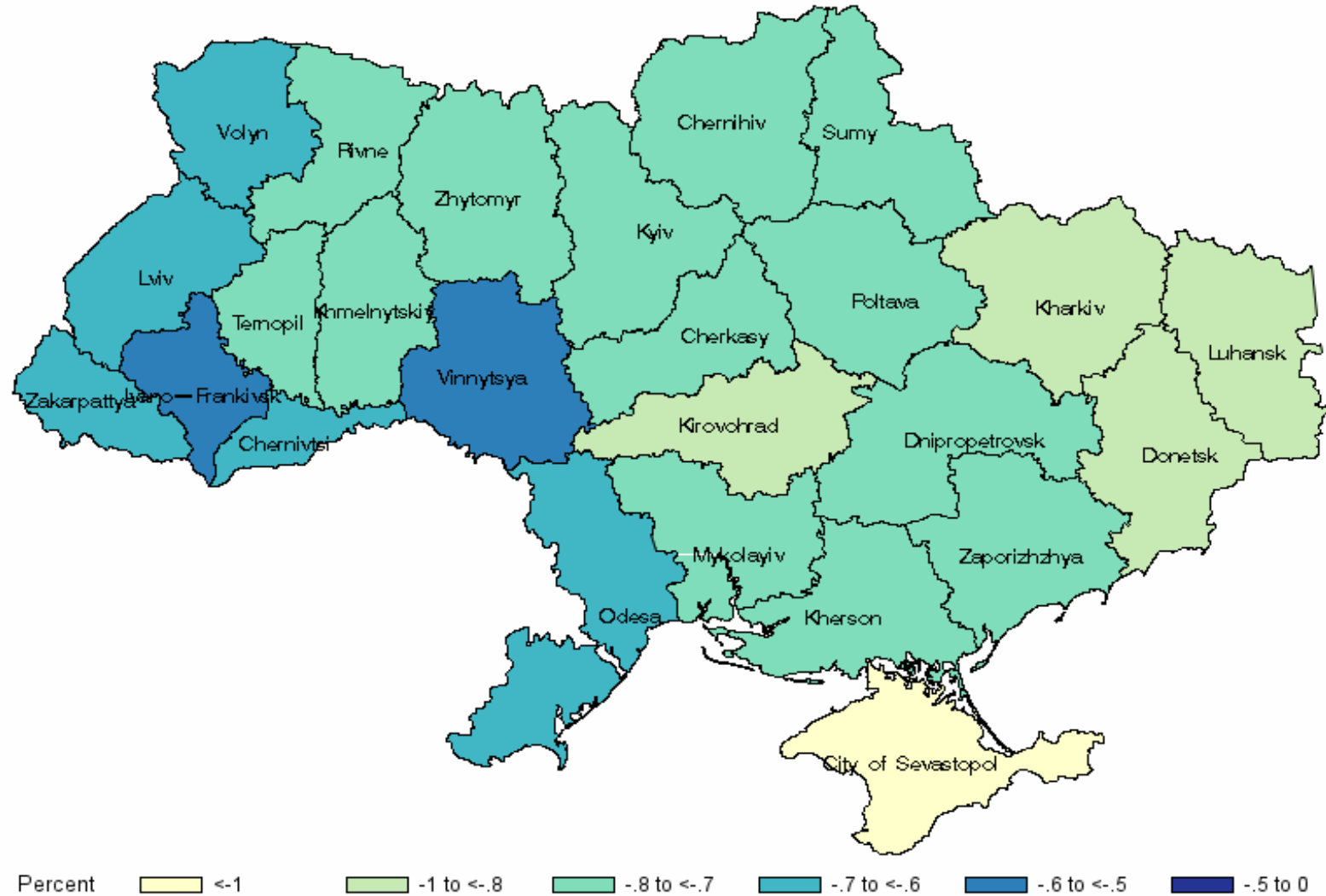
SOURCES: Energy Information Administration (2012); United Nations (2015).

World Maps

- GLCs for Foreign Countries ([link](#))
- Importing to Stata from Haver
 - eia_c.do

Ukraine Maps

Commodity Exports by Region of Ukraine, Percent Change 2014 to 2016



SOURCE: Ukrainian Statistical Service (2016).

Ukraine Maps

- Decoding SAS ID ([link](#))

```
data maps;
    set maps.ukraine;
    lat_deg=lat*180/3.14159;
    long_deg=long*180/3.14159;

run;
proc means data=maps;
    var lat_deg long_deg;
    by id;

run;
```

Helpful Links: Automated Tables

- <http://www.cpearson.com/excel/vbe.aspx>
- <https://msdn.microsoft.com/EN-US/library/office/ee861528.aspx>
- <http://www.stata.com/statalist/archive/2012-05/msg01177.html>
- <http://www.stata.com/manuals/r.pdf>
- <https://stackoverflow.com/questions/tagged/excel-vba>

Helpful Links: Maps

- <http://support.sas.com/documentation/cdl/en/graphref/69717/HTML/default/viewer.htm#p05s8n32b08xekn1h0ydwftz55wk.htm>
- <http://www.gps-coordinates.net/>
- <https://mynasadata.larc.nasa.gov/latitudelongitude-finder/>
- <http://www.javascripter.net/faq/rgbtohex.htm>
- <http://colorbrewer2.org/#type=diverging&scheme=RdYlGn&n=6>
- <https://www.jasondavies.com/maps/rotate/>
- http://support.sas.com/documentation/cdl/en/etsug/67525/HTML/default/viewer.htm#etsug_sasehavr_overview.htm

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