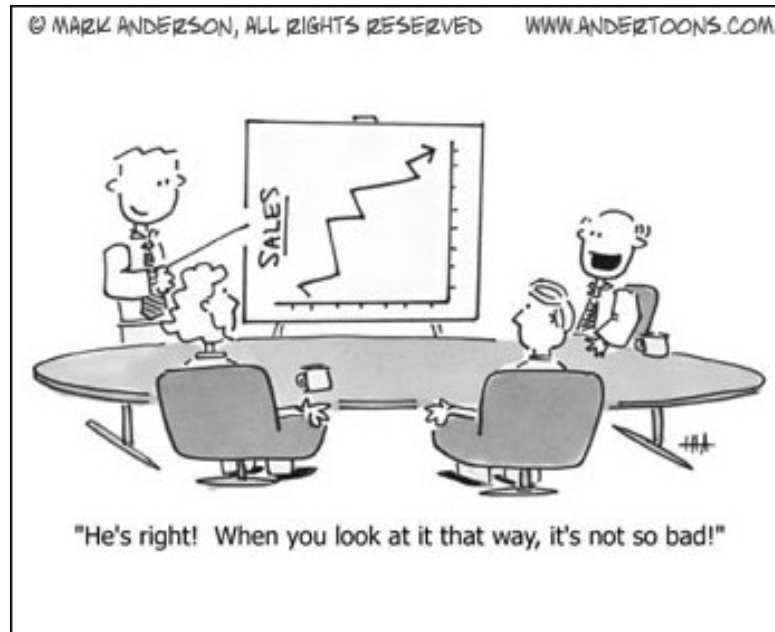


Research Methods for Political Science

MT week 5, lecture 2

Presenting data: tables and graphs



TRINITY COLLEGE DUBLIN
COLÁISTE NA TRÍONÓIDE, BAILE ÁTHA CLIATH

THE
UNIVERSITY
OF DUBLIN

Dr. Thomas Chadeaux

Assistant Professor in Political Science

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**THIS LECTURE WILL BE COVERED IN
WEEK 8**

SOUTHWEST BORDER APPREHENSIONS

OCTOBER - APRIL



Source: U.S. Border Patrol

Happening
now

\$43 BIL IN FEB, DOWN 3.4% FROM JAN'S REVISED

NAS ▼ 35.18

2012 PRESIDENTIAL RUN

GOP CANDIDATES



FOX

47°

SOURCE: OPINIONS

DYNAMIC

JOB LOSS BY QUARTER



FOX NEWS
FOX NEWS
.COM

SOURCE: BLS

AMERICA'S
NEWSROOM

N FAIRFAX, VA... BYRD WAS ADMITTED TO THE HC

S&P ▼ 3.08

RASMUSSEN REPORTS POLL

Did scientists falsify research to support their own theories on Global Warming?

59%

SOMEWHAT LIKELY

35%

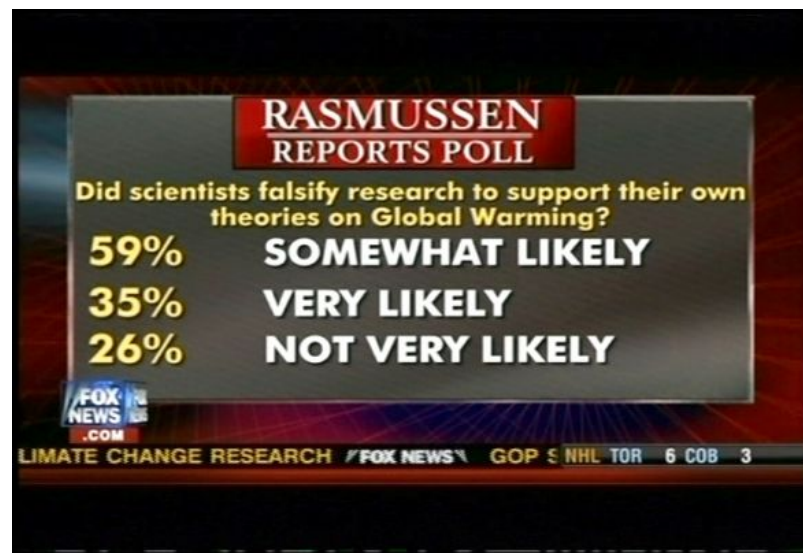
VERY LIKELY

26%

NOT VERY LIKELY



CLIMATE CHANGE RESEARCH / FOX NEWS \ GOP S NHL TOR 6 COB 3



- 35 percent responded "Very Likely"
- 24 percent responded "Somewhat Likely"
- 21 percent responded "Not Very Likely"
- 5 percent responded "Not Likely At All"
- 15 percent were unsure.

UNEMPLOYMENT RATE

UNDER PRESIDENT OBAMA

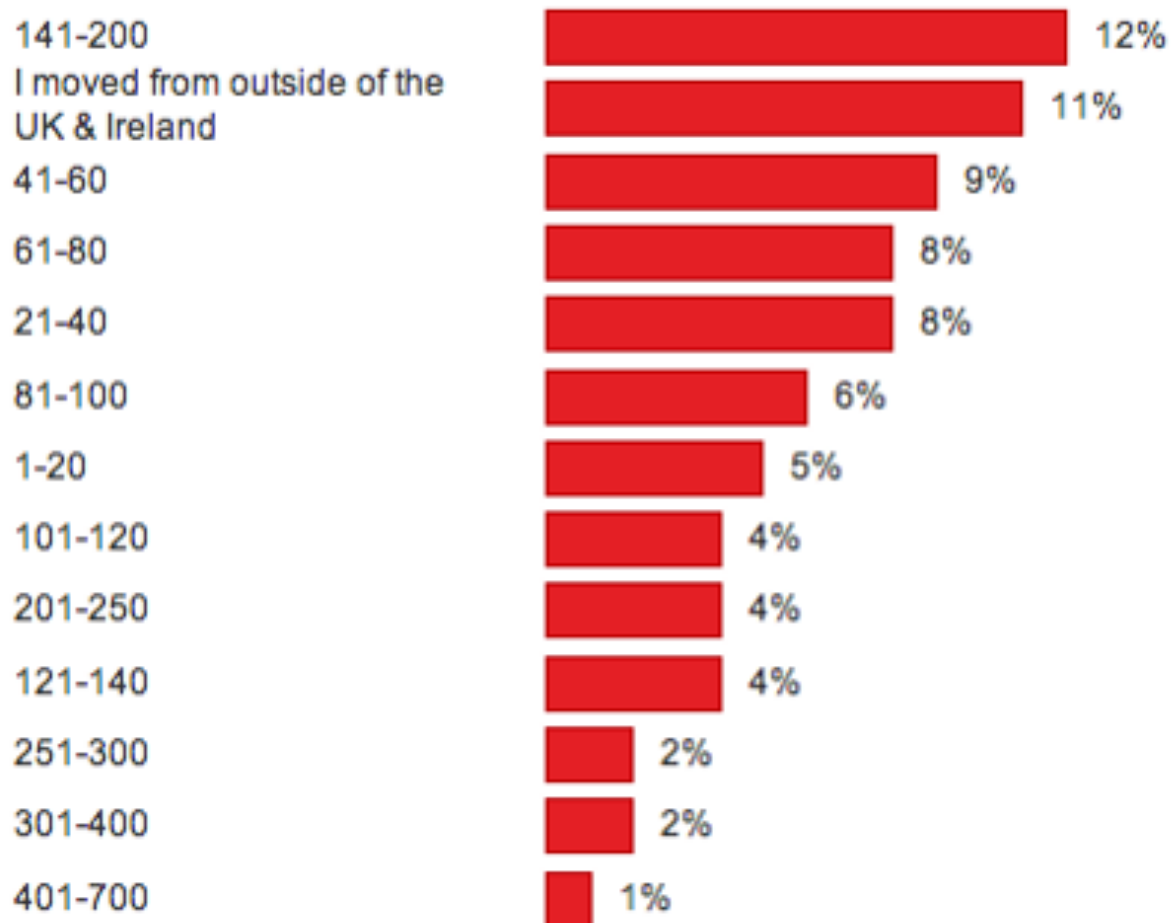


2011

SOURCE: BUREAU OF LABOR STATISTICS

AR WAR AND A TROOP WITHDRAWAL AT THE E NAS FUT 2,292.50

Average miles travelled to study at university



SOURCE: BBC TV LICENSING

theguardian

Source: <http://www.theguardian.com/news/datablog/2014/aug/18/students-travel-average-91-miles-home-university>

Frequency tables

Figure 1: Frequency distribution of religion in fake sample

Religion	Frequency	Percentage
Catholic	160	80.0
Protestant	25	12.5
Jewish	2	1
Other	13	6.5

By convention,
do not use
vertical lines in
tables

Religion	Frequency	Percentage
Catholic	160	80.0
Protestant	25	12.5
Jewish	2	1
Other	13	6.5



LOSE THOSE
VERTICAL LINES!

Religion	Frequency
Catholic	160 (80.0%)
Protestant	25 (12.5%)
Jewish	2 (1%)
Other	13 (6.5%)

Do not copy-paste SPSS-formatted
tables into your paper.

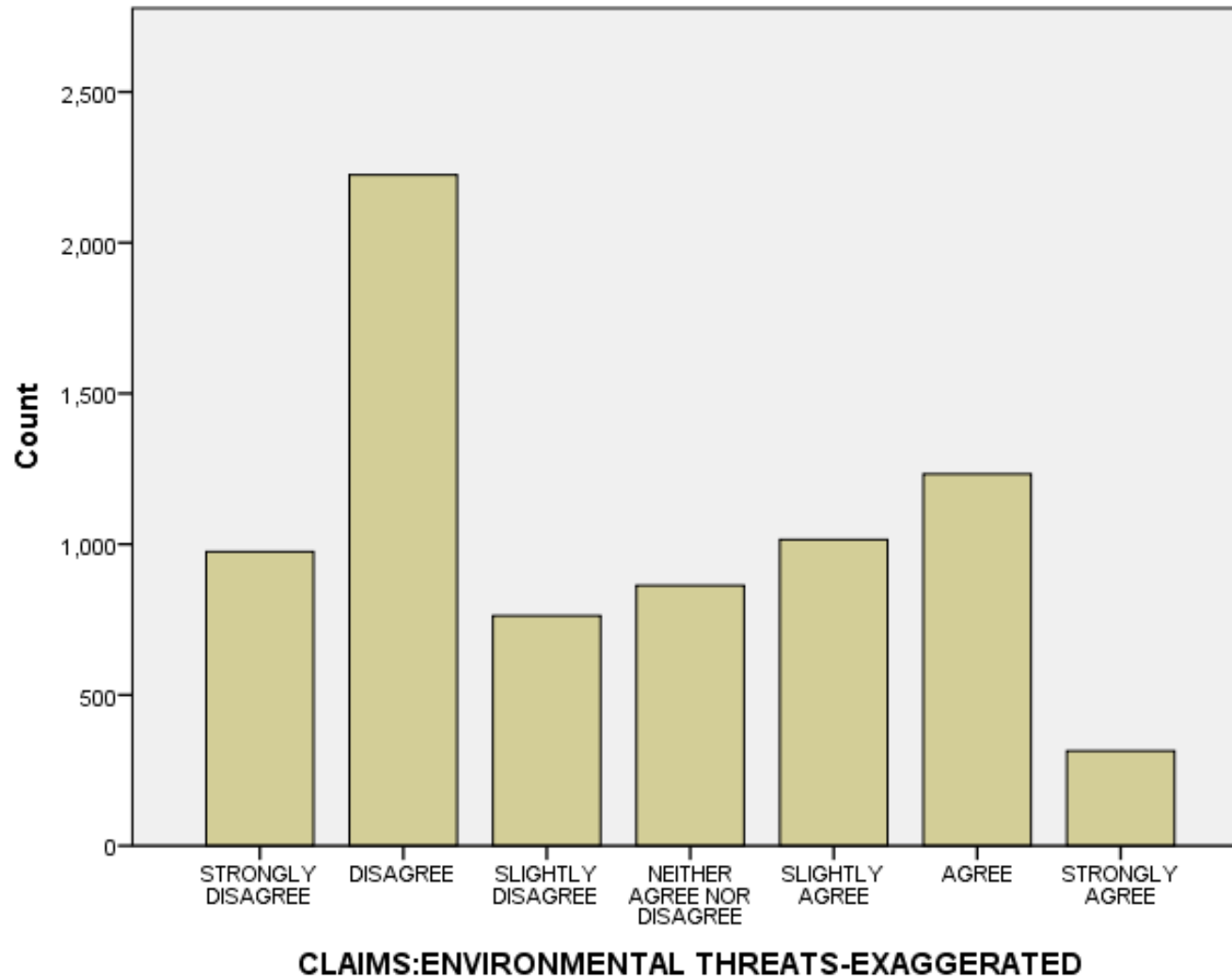
Ever.

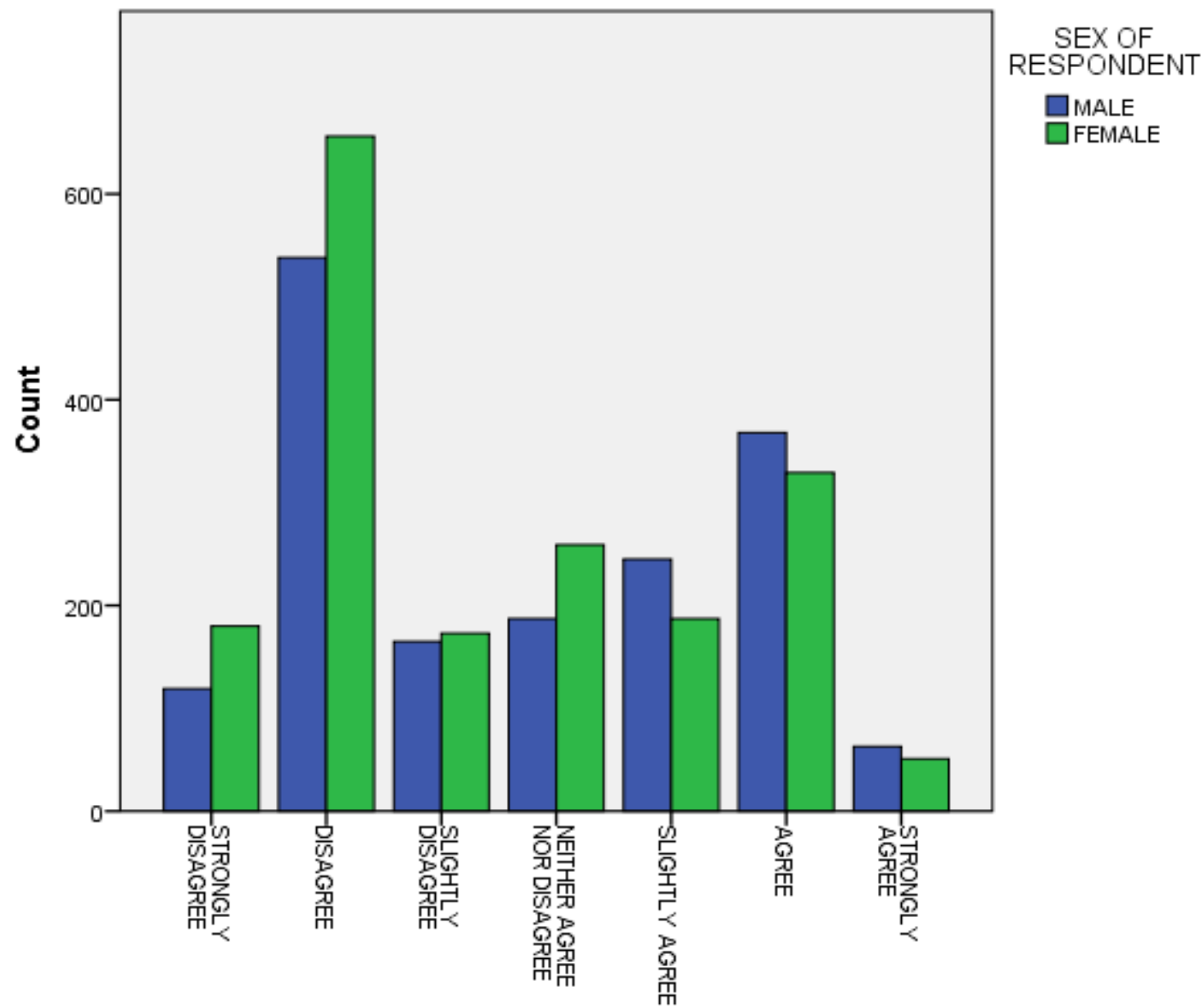
The're ugly.

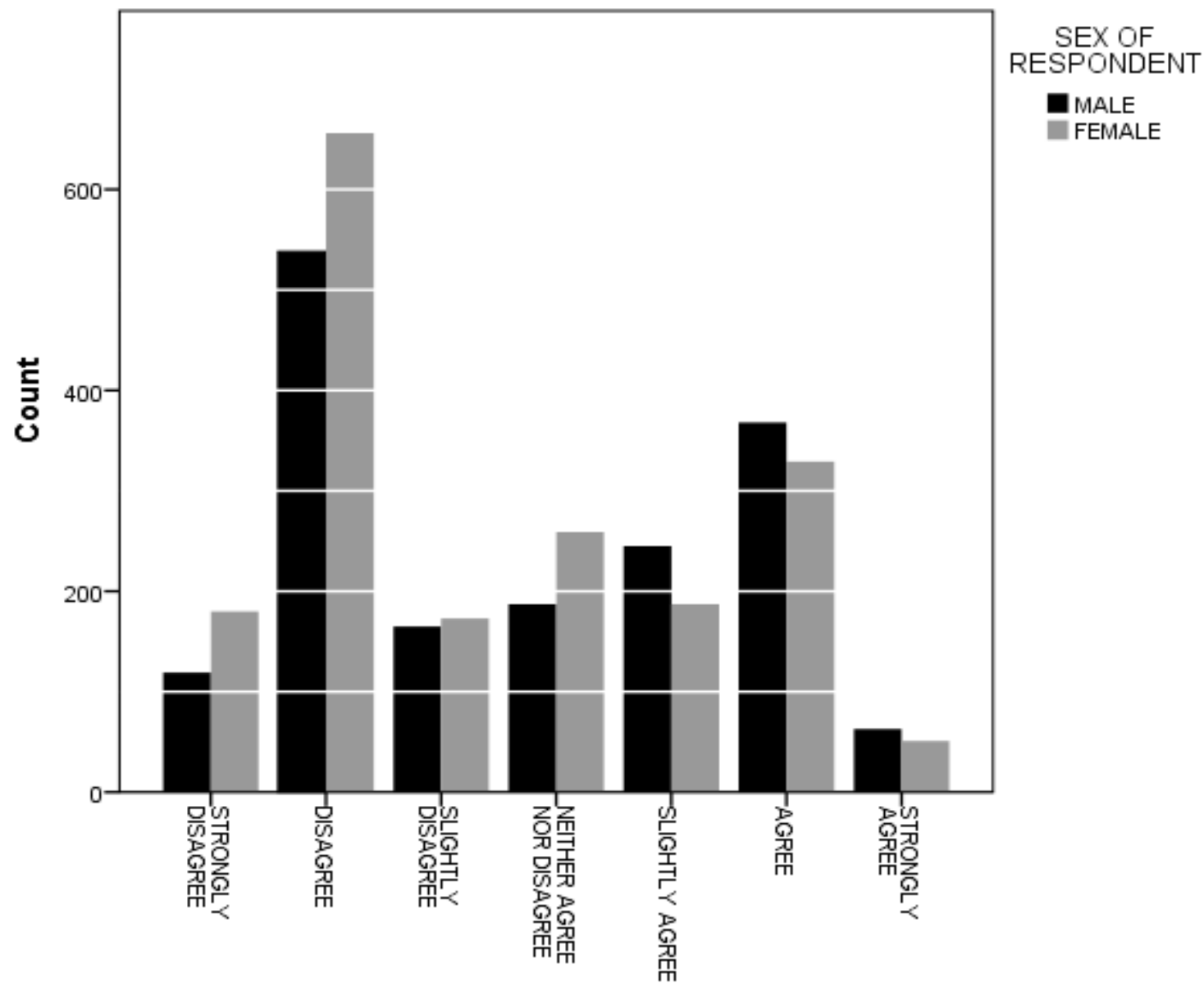
UG-LY.

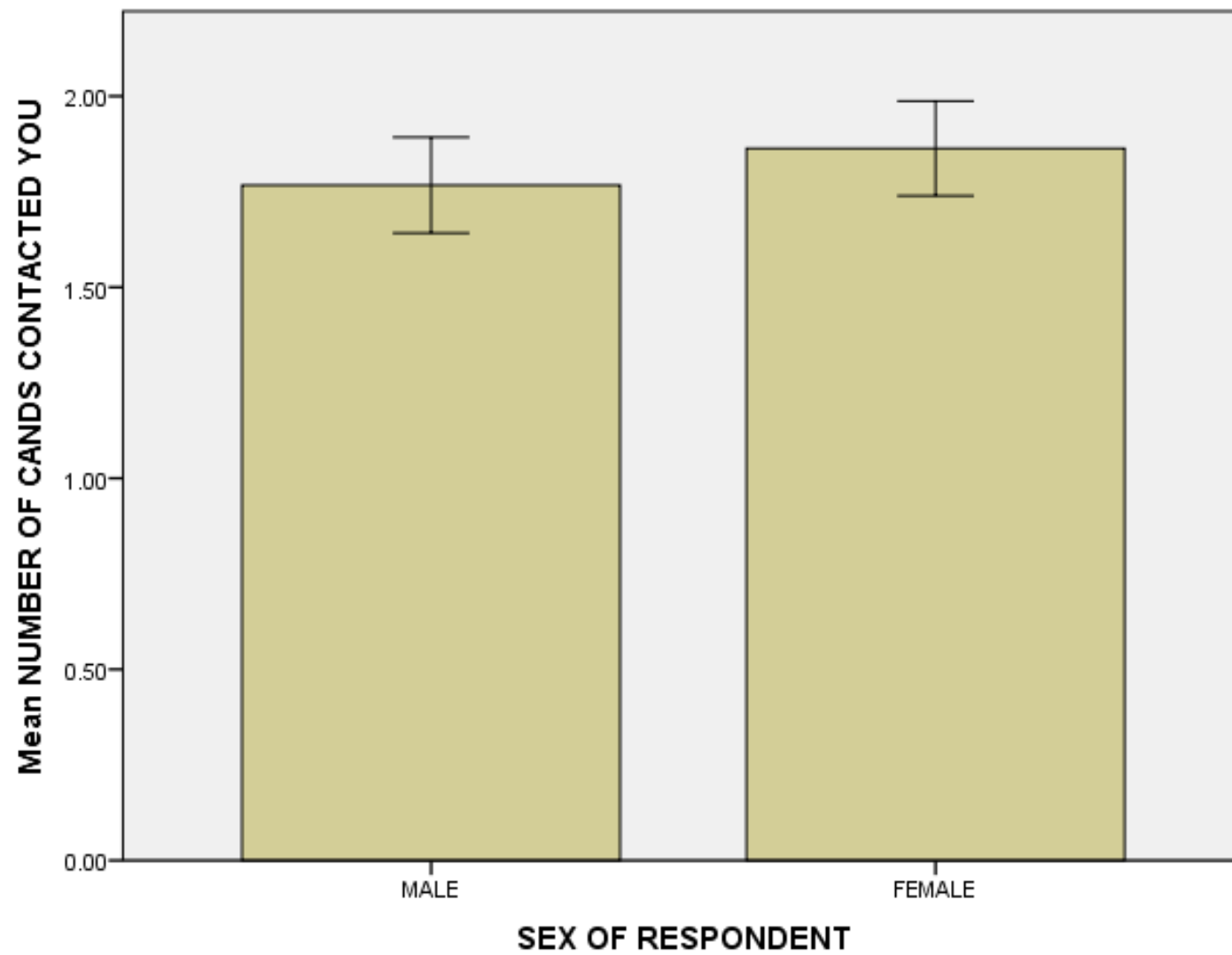
And they contain too much or too
little information.

Bar plots



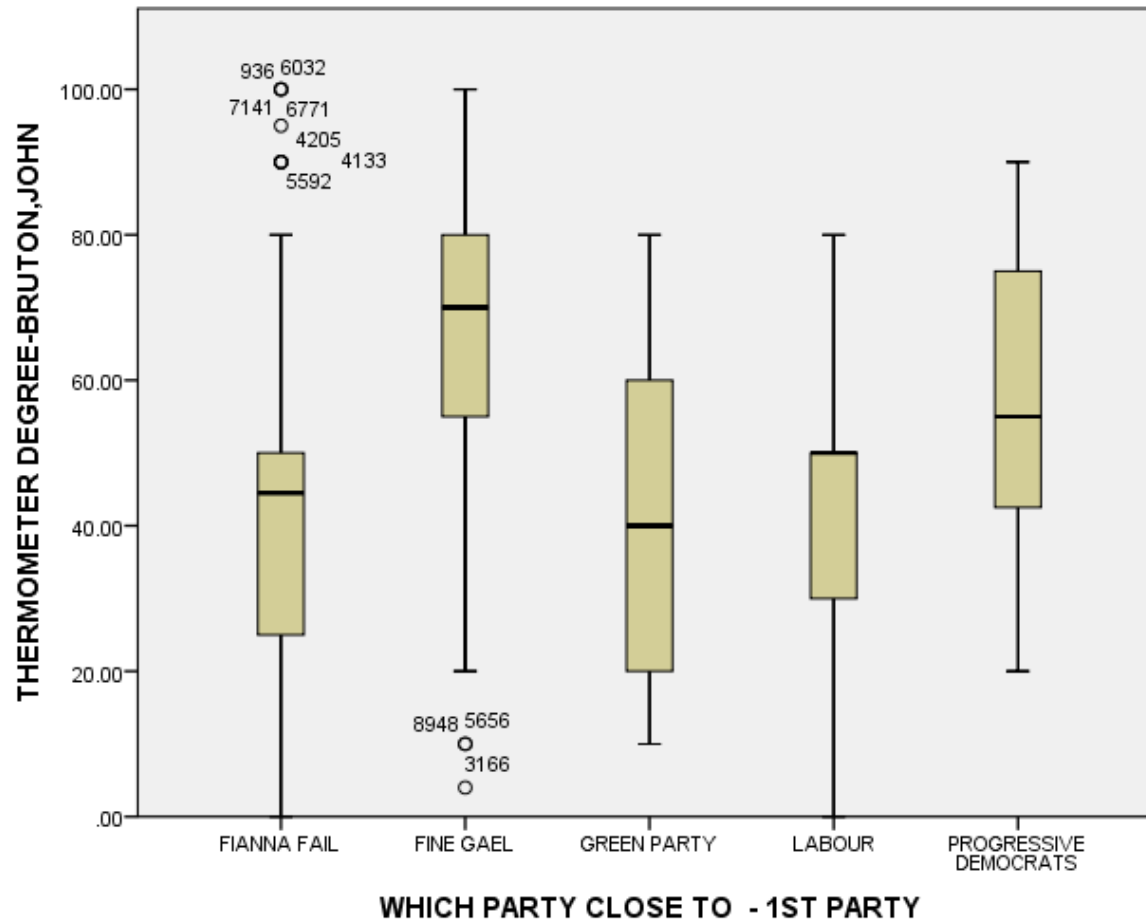






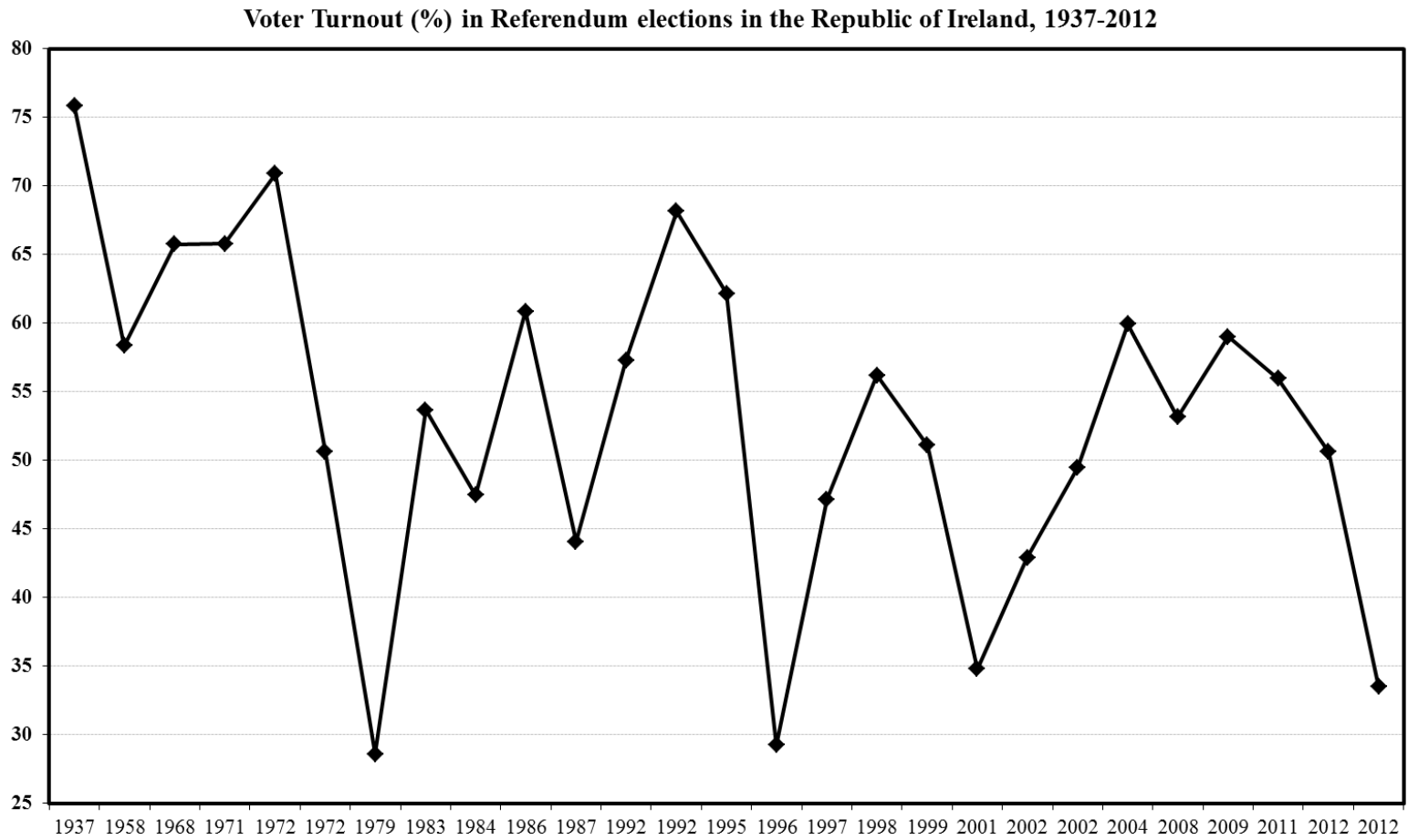
Error Bars: 95% CI

Box plots

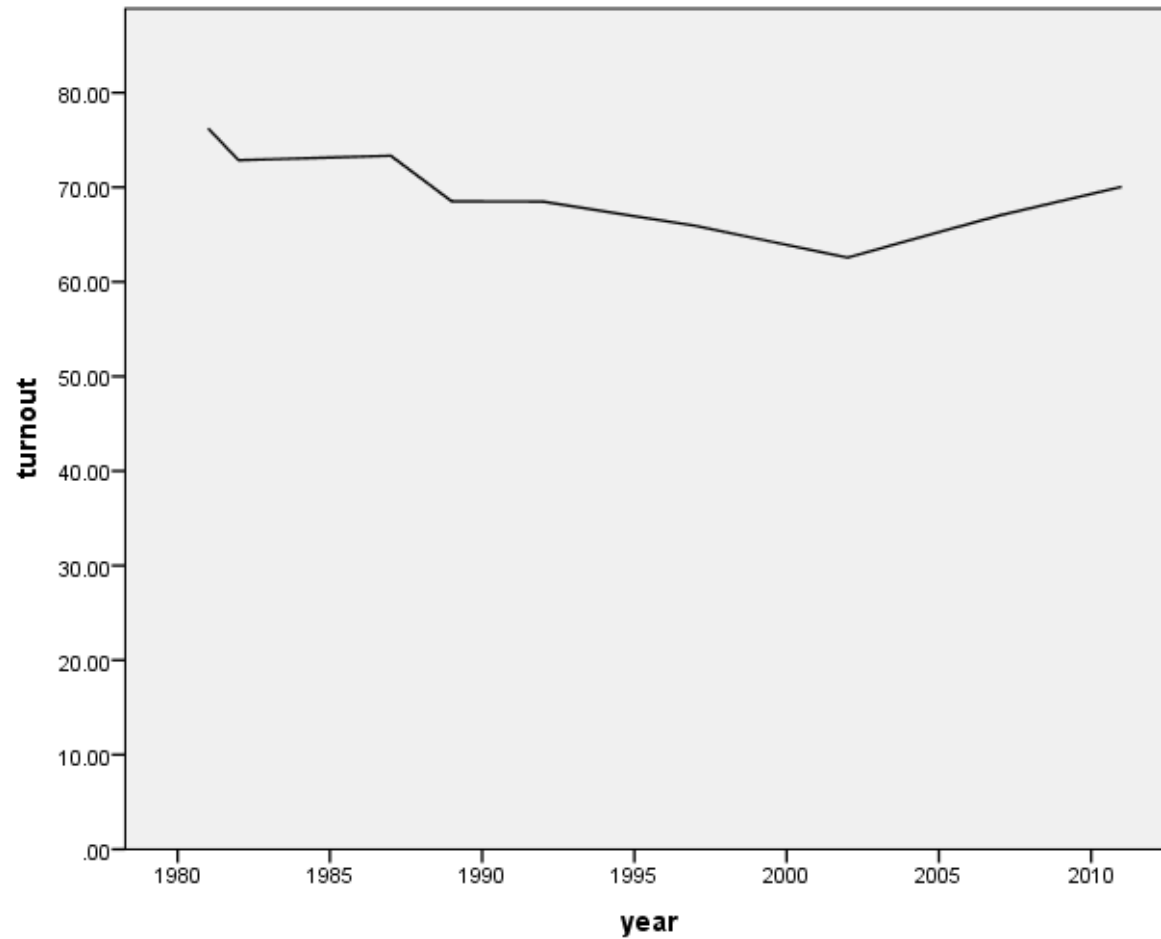


- Median: line in the middle of the box
- Quartiles: top and bottom of the box
- Whiskers:
 - Bottom: $Q1 - 1.5 * \text{Inter-quartile range}$
 - Top: $Q3 + 1.5 * \text{Inter-quartile range}$

Line charts



Turnout in general elections



Scatter plot

