

IMC Krems

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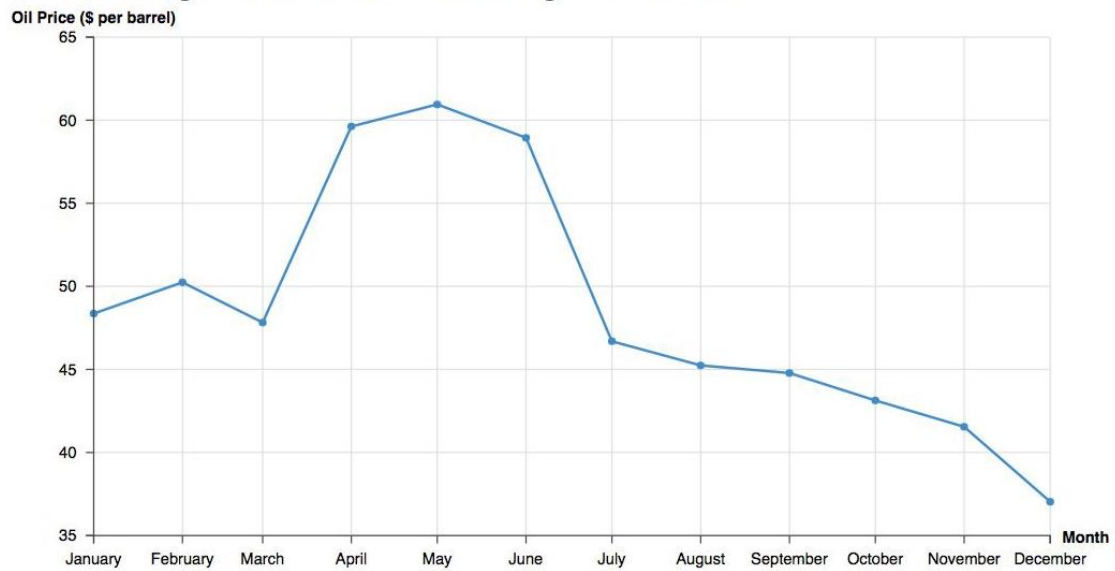
Data Visualisation, Presentation, and Real-Time Integration of Digital Products

## Portfolio Exercises

*Please upload a file where you list your answers in MS Teams.*

*Deadline: April 19, 2024 23:59*

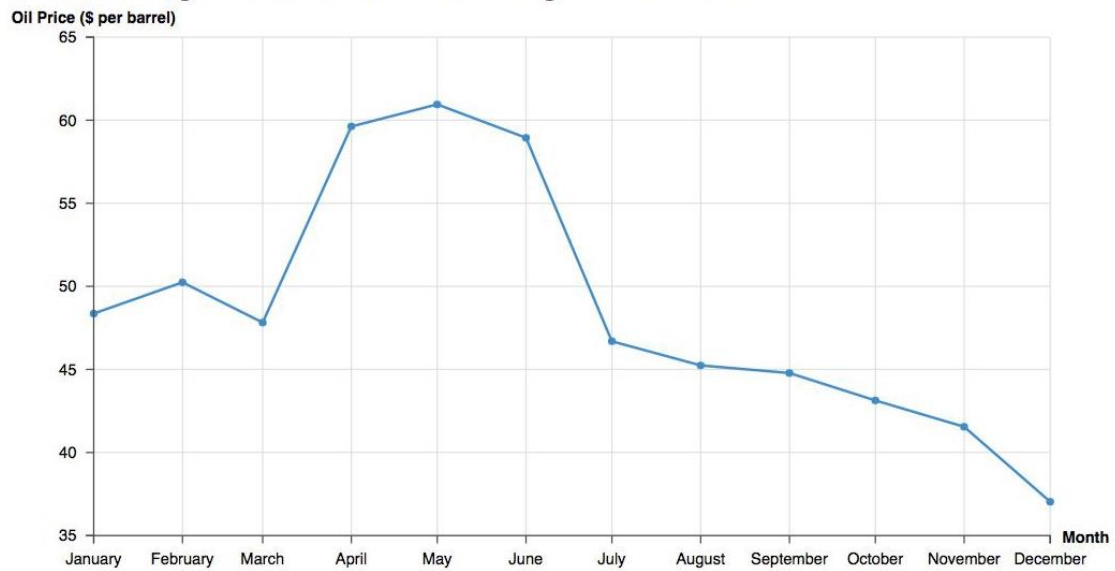
## Monthly Oil Price History in 2015



**What was the price of a barrel of oil in February 2015?**

- 1) \$57.36
- 2) \$47.82
- 3) \$50.24
- 4) \$39.72

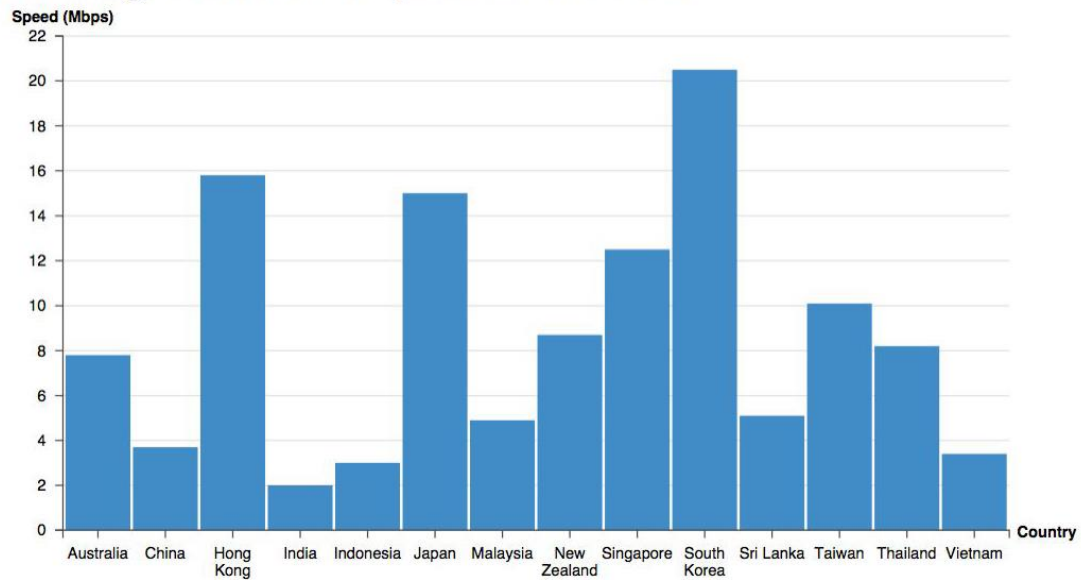
## Monthly Oil Price History in 2015



**About how much did the price of a barrel of oil fall from April to September in 2015?**

- 1) \$4
- 2) \$15
- 3) \$17
- 4) \$45

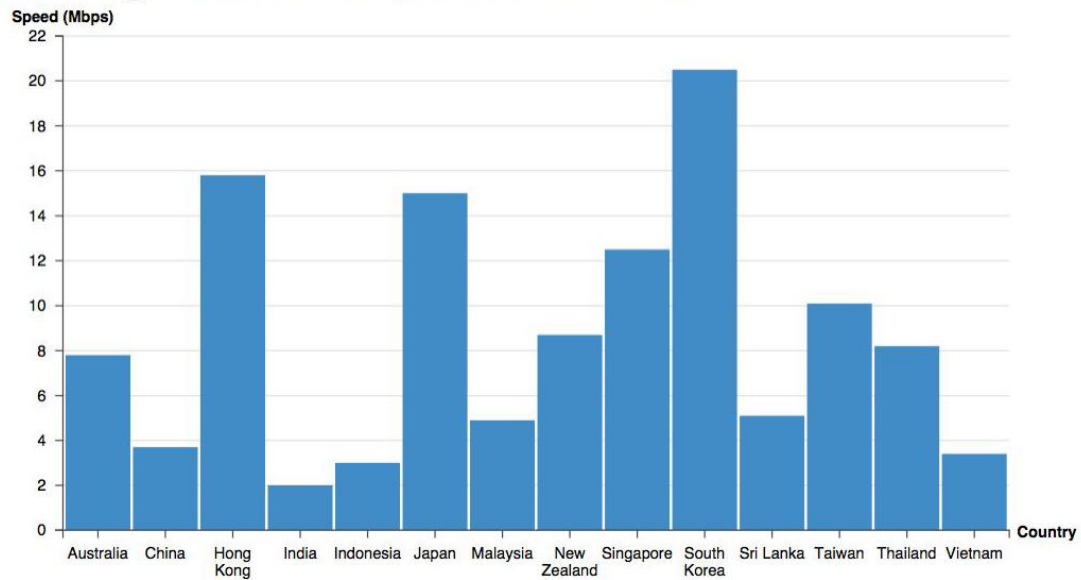
## Average Internet Speeds in Asia



**In which country is the average internet speed the fastest in Asia?**

- 1) China
- 2) Hong Kong
- 3) South Korea
- 4) Vietnam

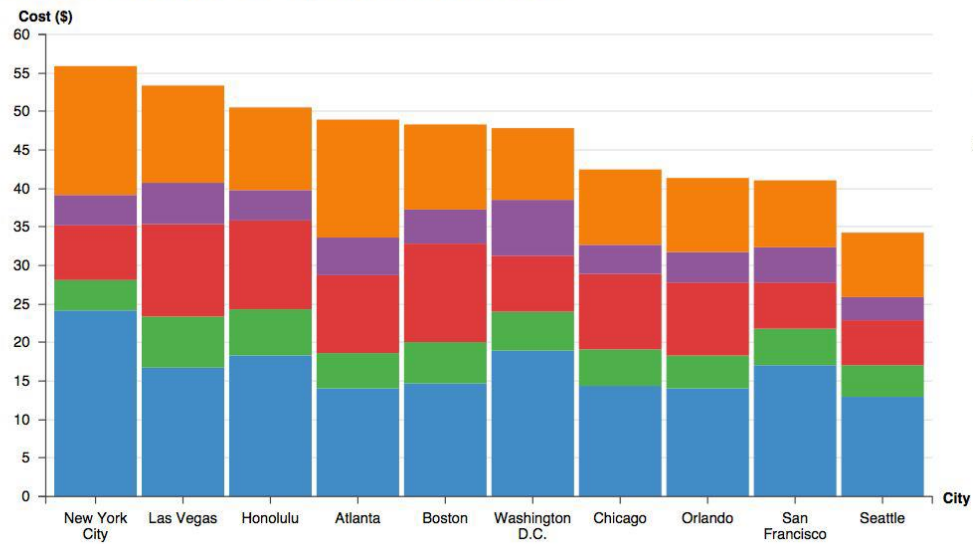
## Average Internet Speeds in Asia



**What is the range of the average internet speed in Asia?**

- 1) 0 - 22 Mbps
- 2) 2 - 20.5 Mbps
- 3) 3 - 20 Mbps
- 4) 3.4 - 7.8 Mbps

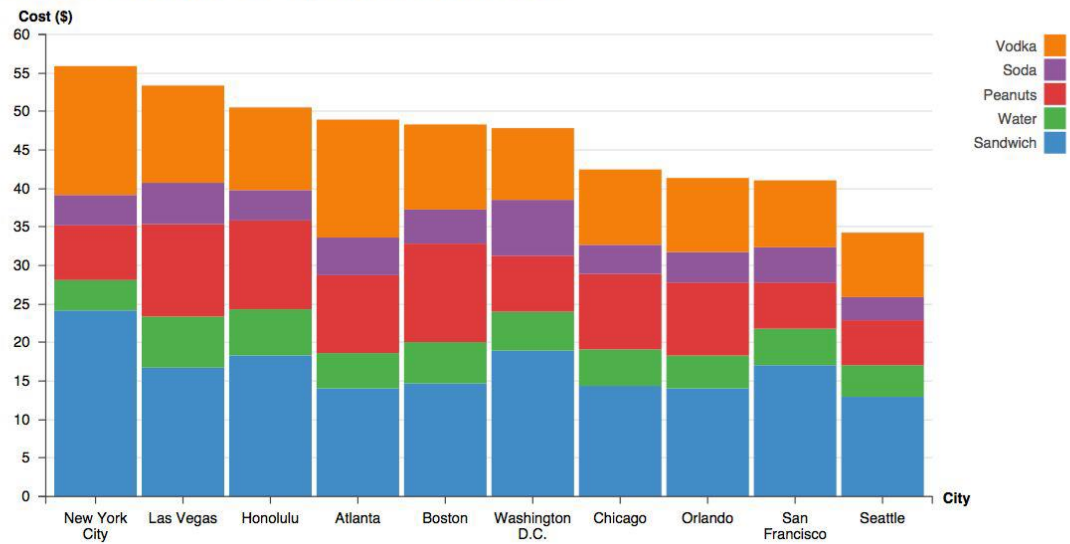
## Hotel Costs of Room Service



**What is the cost of peanuts in Las Vegas?**

- 1) \$12
- 2) \$16.7
- 3) \$23.4
- 4) \$35.4

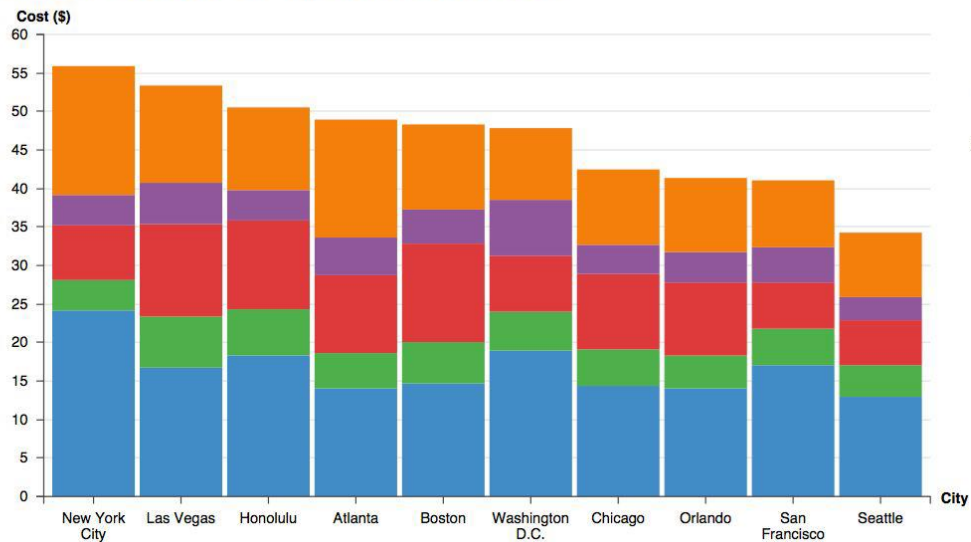
## Hotel Costs of Room Service



About what is the ratio of the cost of a sandwich to the total cost of room service in Seattle?

- 1) 1 to 10
- 2) 2 to 10
- 3) 4 to 10
- 4) 6 to 10

## Hotel Costs of Room Service

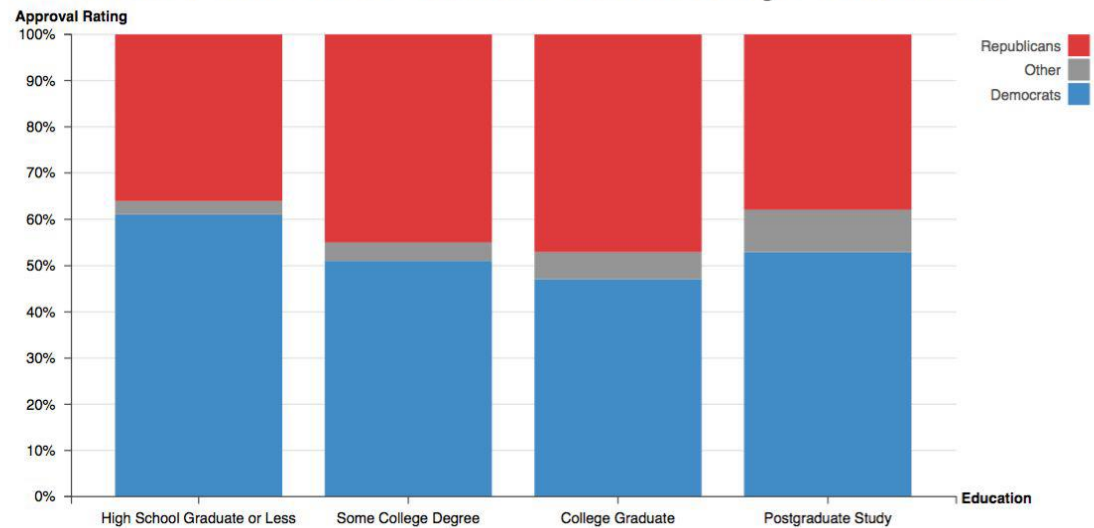


In which city is the cost of soda the highest?

- 1) New York City
- 2) Las Vegas
- 3) Atlanta
- 4) Washington D.C.



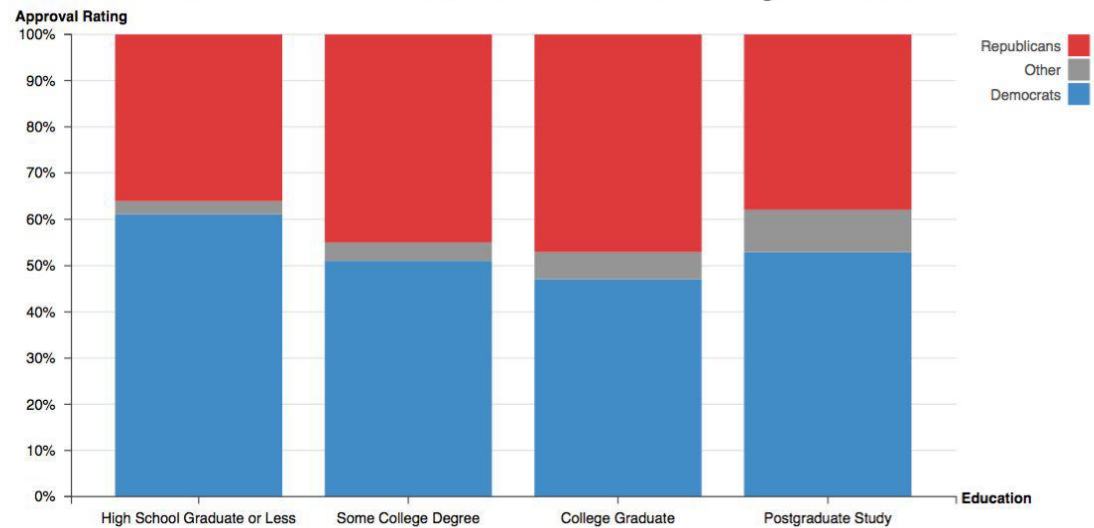
## Election Exit Poll of California State by Education



**What is the education level of people in which the Democrats have the lowest approval rating?**

- 1) High School Graduate or Less
- 2) Some College Degree
- 3) College Graduate
- 4) Postgraduate study

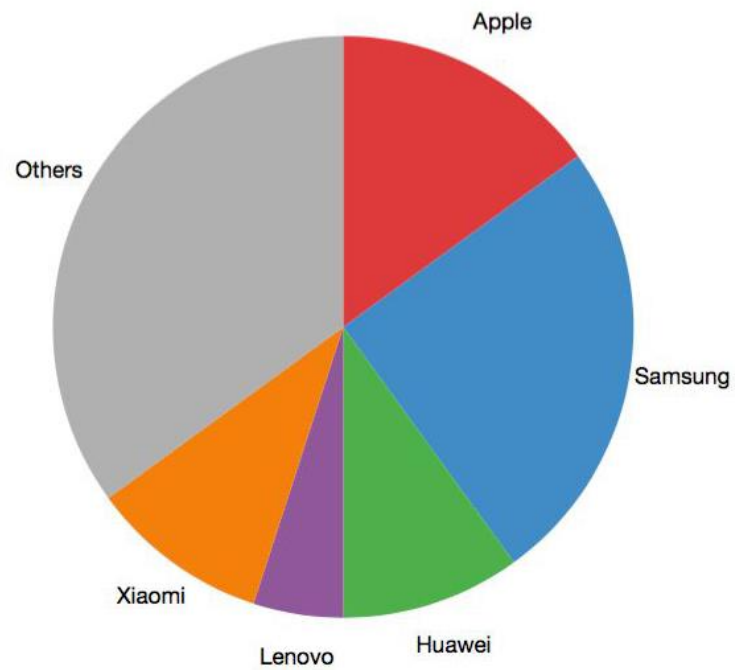
## Election Exit Poll of California State by Education



The approval rating of Republicans for the people who have the education level of Some College Degree is lower than that for the people who have the education level of Postgraduate Study.

- 1) True
- 2) False

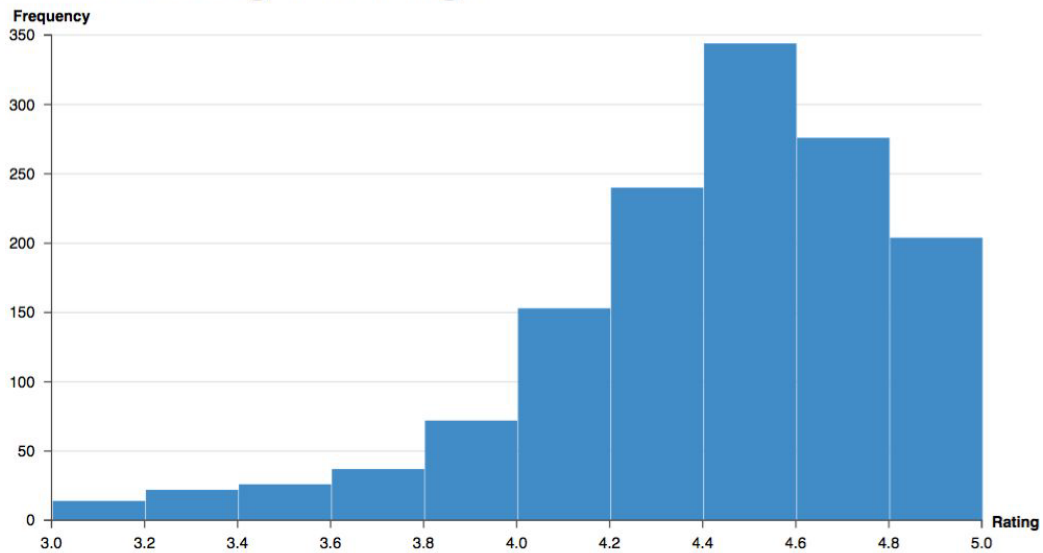
## Global Smartphone Market Share (%)



The global smartphone market share of Apple is larger than that of Huawei.

- 1) True
- 2) False

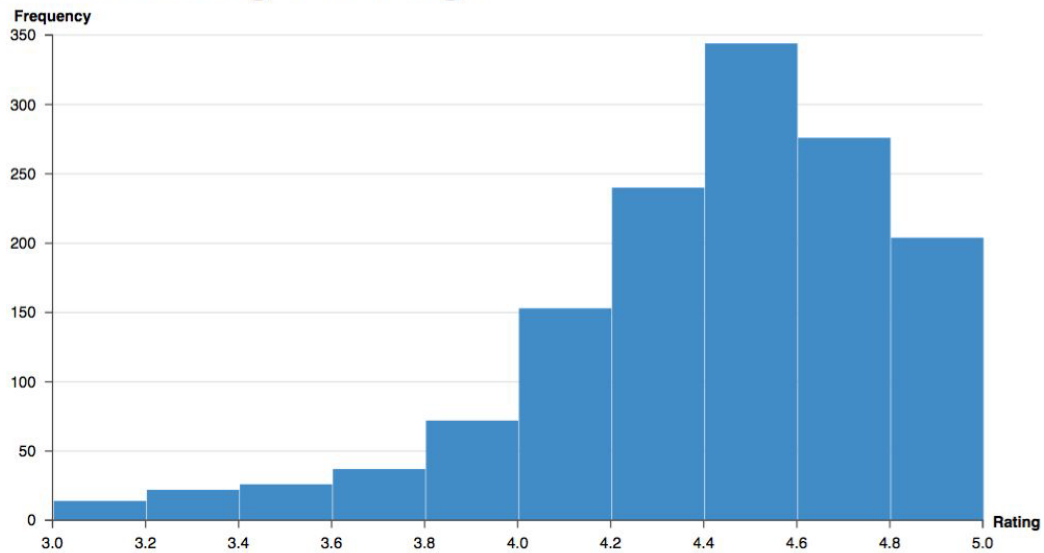
## Taxi Passenger Ratings



How many people have rated the taxi between 4.0 and 4.2?

- 1) 145
- 2) 153
- 3) 200
- 4) 240

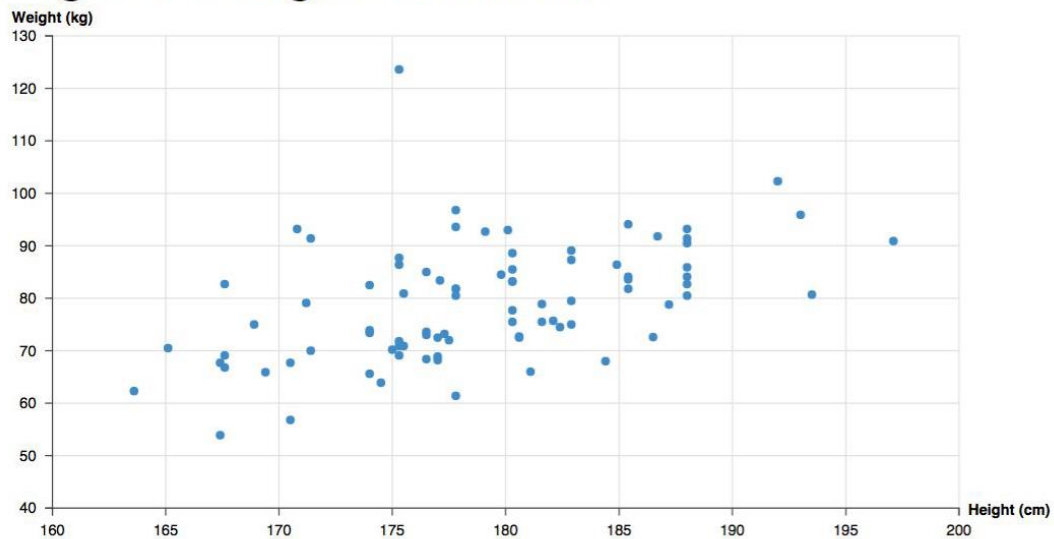
## Taxi Passenger Ratings



**What is the rating that the people have rated the taxi the most?**

- 1) 4.2 - 4.4
- 2) 4.4 - 4.6
- 3) 4.6 - 4.8
- 4) 4.8 - 5.0

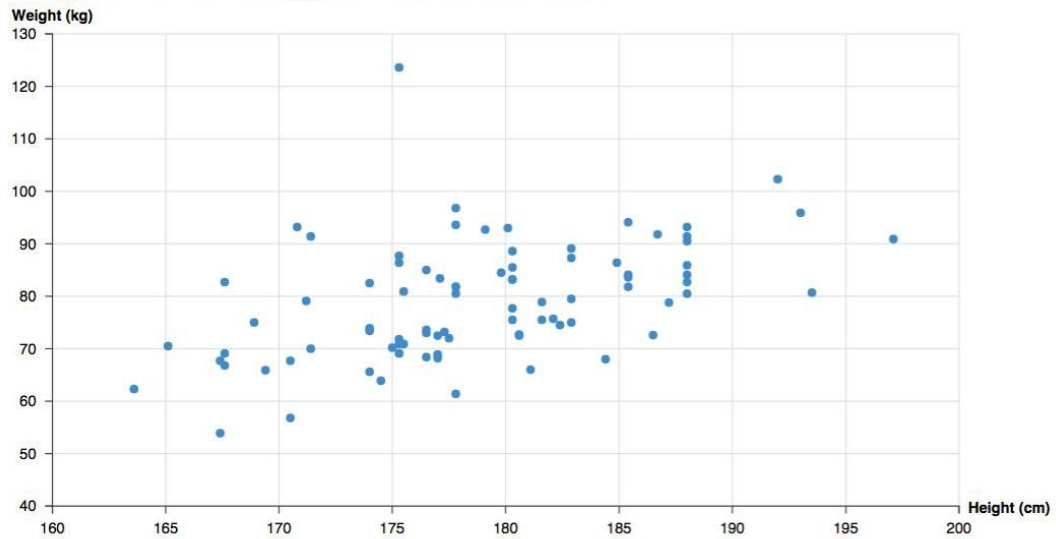
## Height vs. Weight of 85 Males



**What is the height for the tallest person among the 85 males?**

- 1) 175.3 cm
- 2) 192 cm
- 3) 197.1 cm
- 4) 200 cm

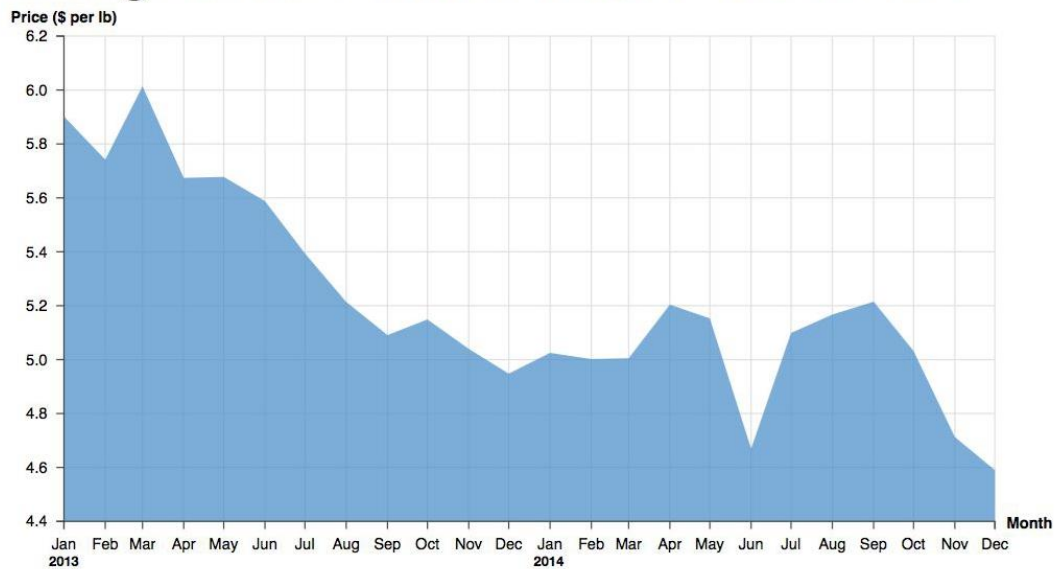
## Height vs. Weight of 85 Males



**A group of males are gathered around the height of 176 cm and the weight of 70 kg.**

- 1) True
- 2) False

## Average Coffee Bean Price from 2013 to 2014

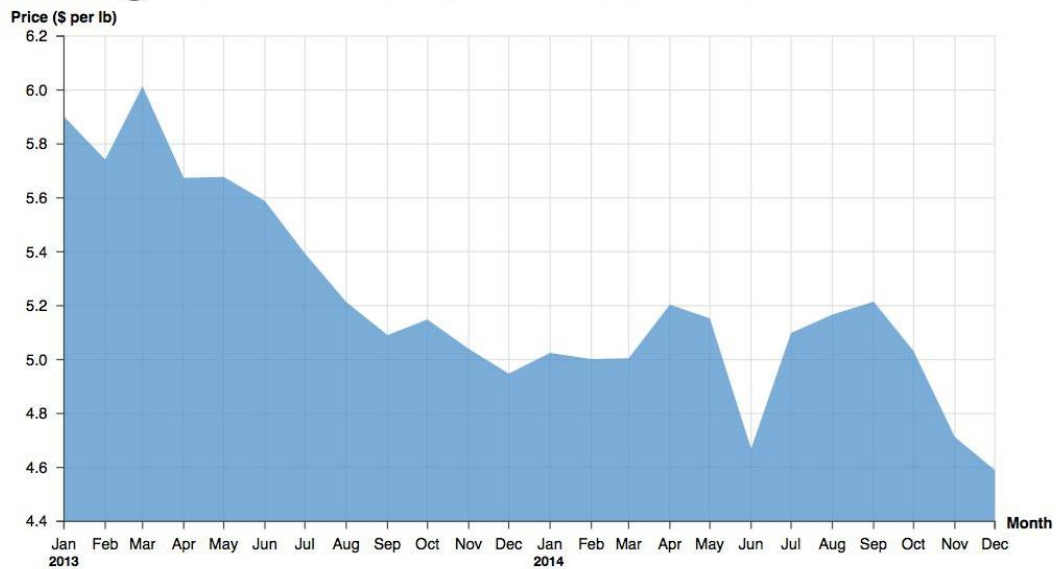


**When was the average price of a pound of coffee beans at minimum?**

- 1) April 2013
- 2) September 2013
- 3) June 2014
- 4) December 2014



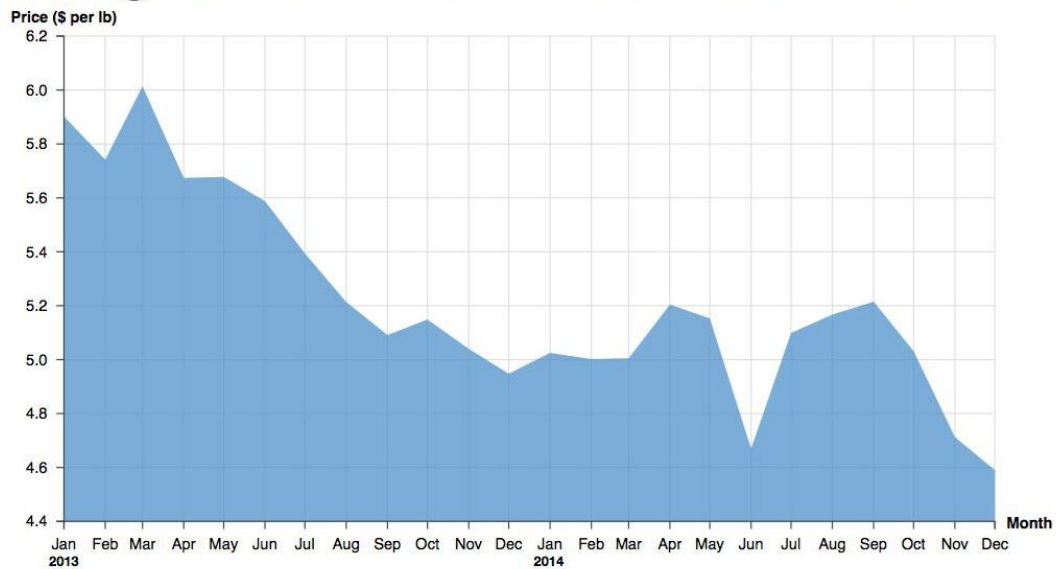
## Average Coffee Bean Price from 2013 to 2014



**What was the range of the average price of a pound of coffee beans between January 2013 and December 2014?**

- 1) \$4.4 - \$6.2
- 2) \$4.6 - \$5.9
- 3) \$4.6 - \$6.0
- 4) \$4.6 - \$6.1

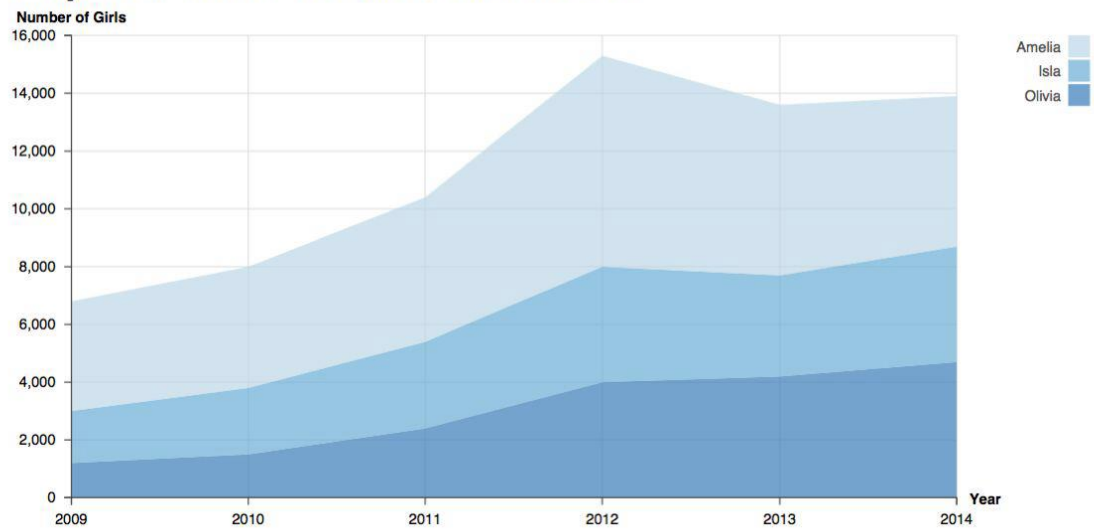
## Average Coffee Bean Price from 2013 to 2014



**For how many months was the average price of a pound of coffee beans cheaper than that in December 2013?**

- 1) 3 months
- 2) 4 months
- 3) 5 months
- 4) 6 months

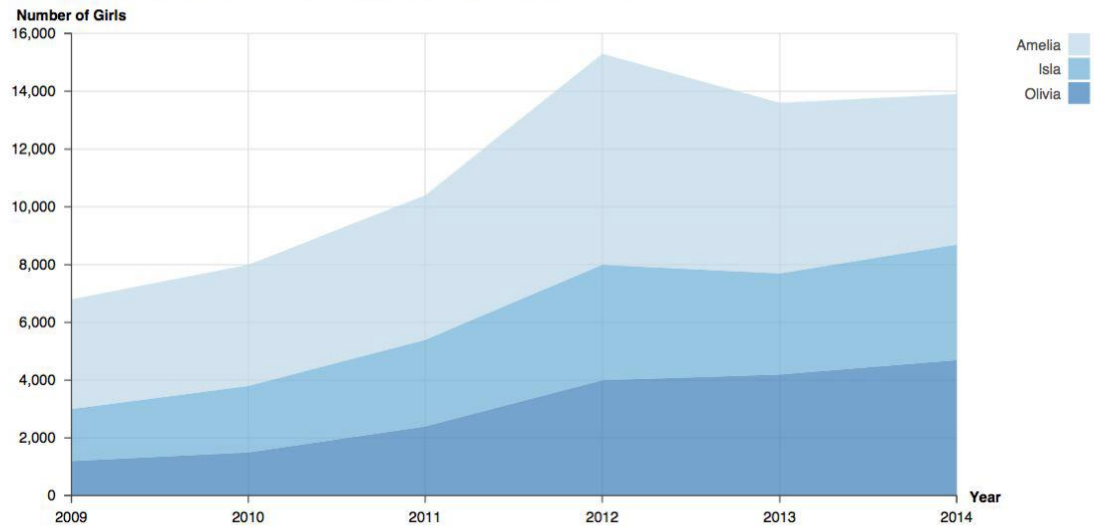
## Popular Girls' Names in the UK



About what was the ratio of the number of girls named 'Olivia' to those named 'Isla' in 2014 in the UK?

- 1) 1 to 1
- 2) 1 to 2
- 3) 1 to 3
- 4) 1 to 4

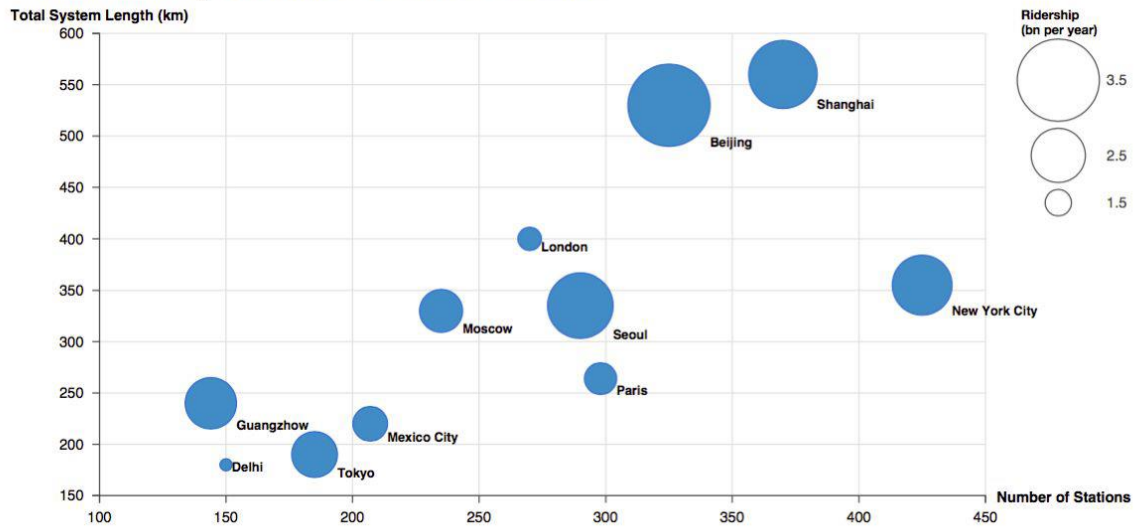
## Popular Girls' Names in the UK



Over the course of years between 2009 and 2014, when was the number of girls named 'Amelia' at the maximum?

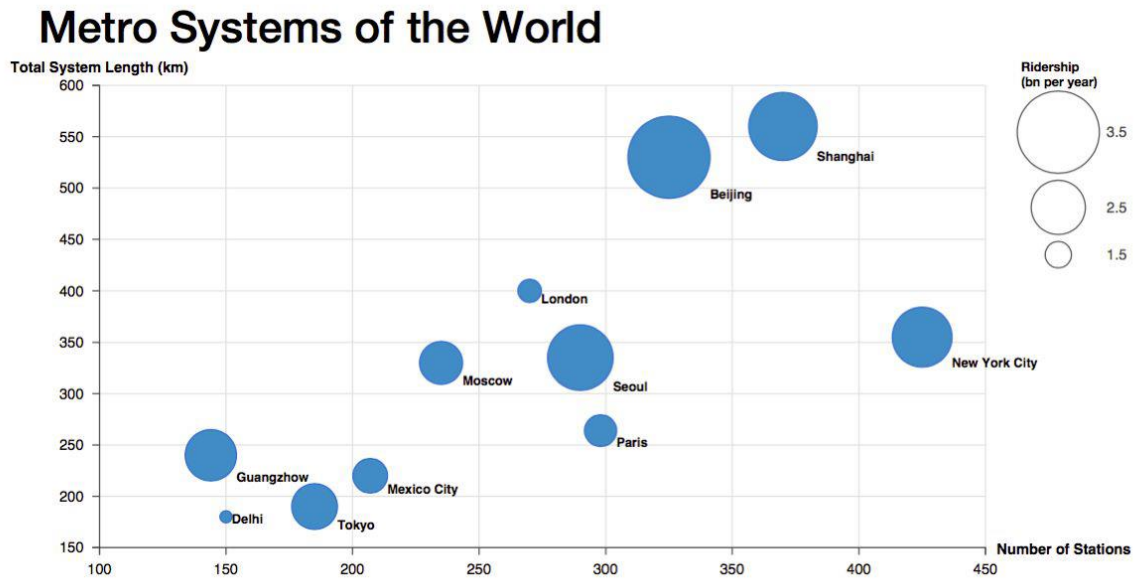
- 1) 2009
- 2) 2011
- 3) 2012
- 4) 2014

## Metro Systems of the World



What is the total length of the metro system in Beijing?

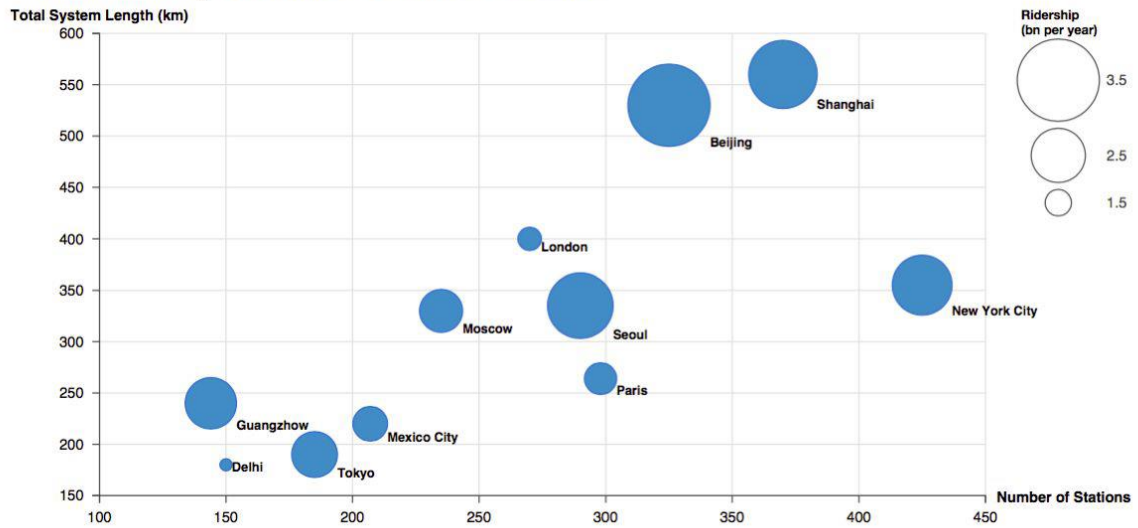
- 1) 330 km
- 2) 400 km
- 3) 530 km
- 4) 560 km



What is the range of the total length of the metro systems?

- 1) 150 - 600 km
- 2) 240 - 380 km
- 3) 240 - 560 km
- 4) 180 - 560 km

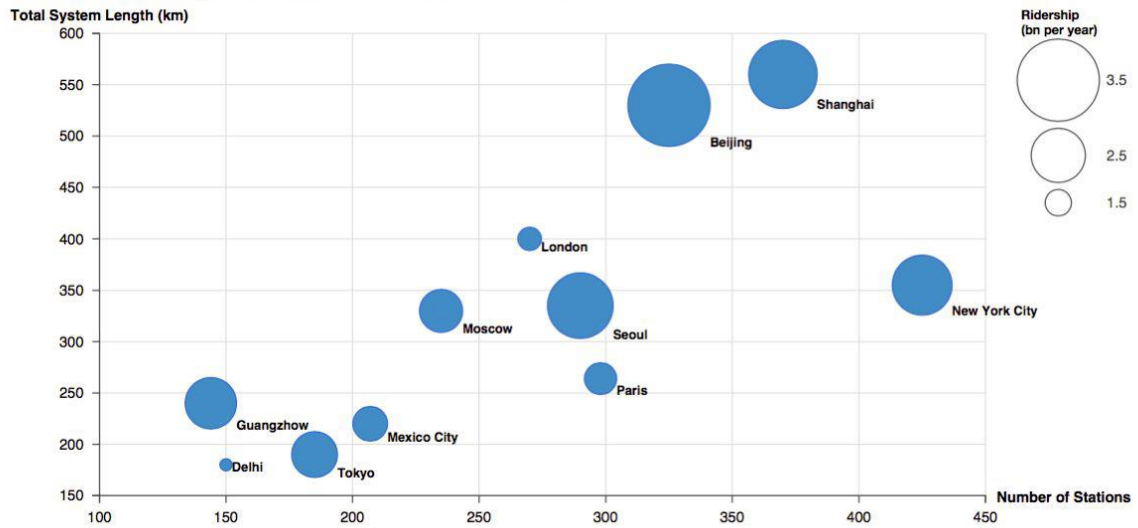
## Metro Systems of the World



In general, the number of stations of the metro systems of the world is evenly distributed.

- 1) True
- 2) False

## Metro Systems of the World

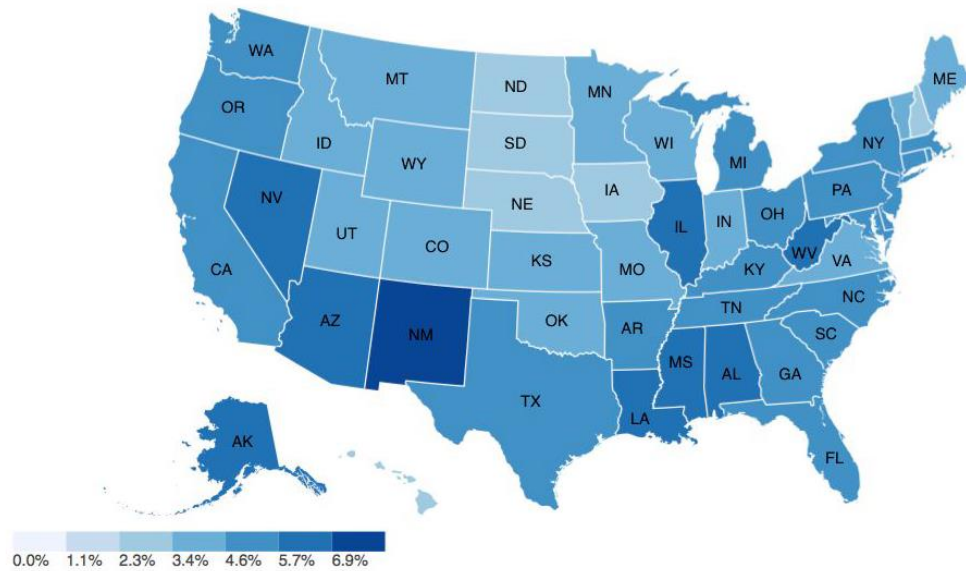


Which city's metro system does lie outside the relationship between the total system length and the number of stations most?

- 1) Tokyo
- 2) New York City
- 3) Beijing
- 4) London



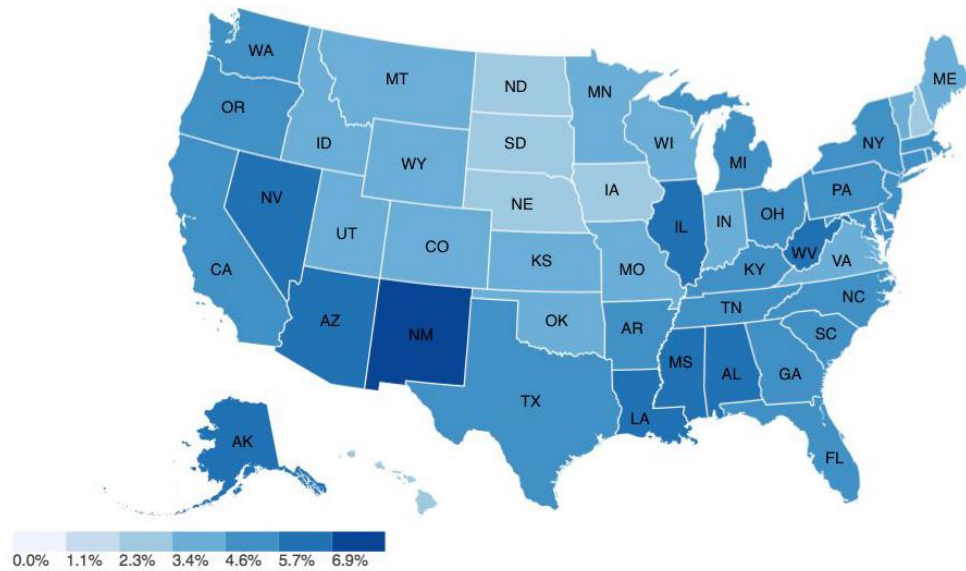
## Unemployment Rates for States in 2015



In which state was the unemployment rate the highest in 2015?

- 1) Alaska (AK)
- 2) New Mexico (NM)
- 3) Florida (FL)
- 4) New York (NY)

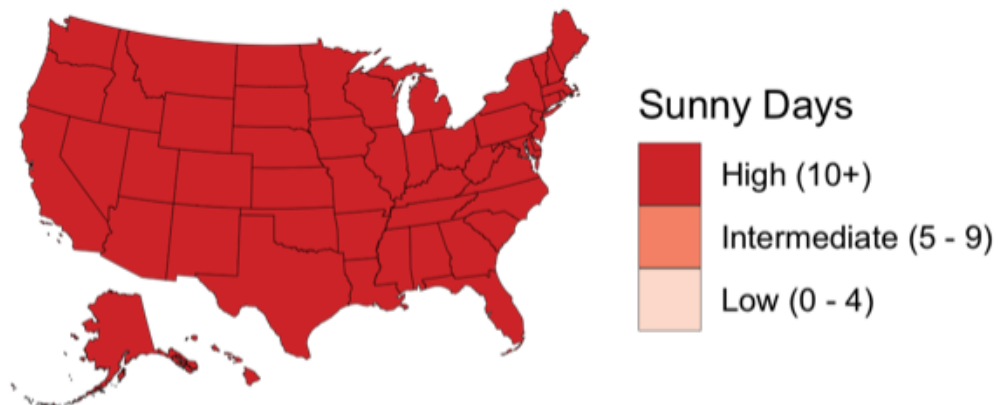
## Unemployment Rates for States in 2015



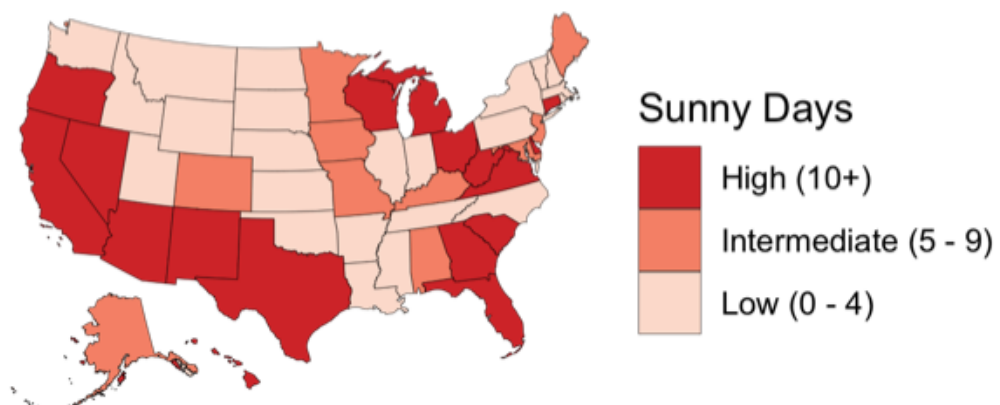
In 2015, the unemployment rate for Washington (WA) was higher than that of Wisconsin (WI).

- 1) True
- 2) False

## Number of Sunny Days in the Summer



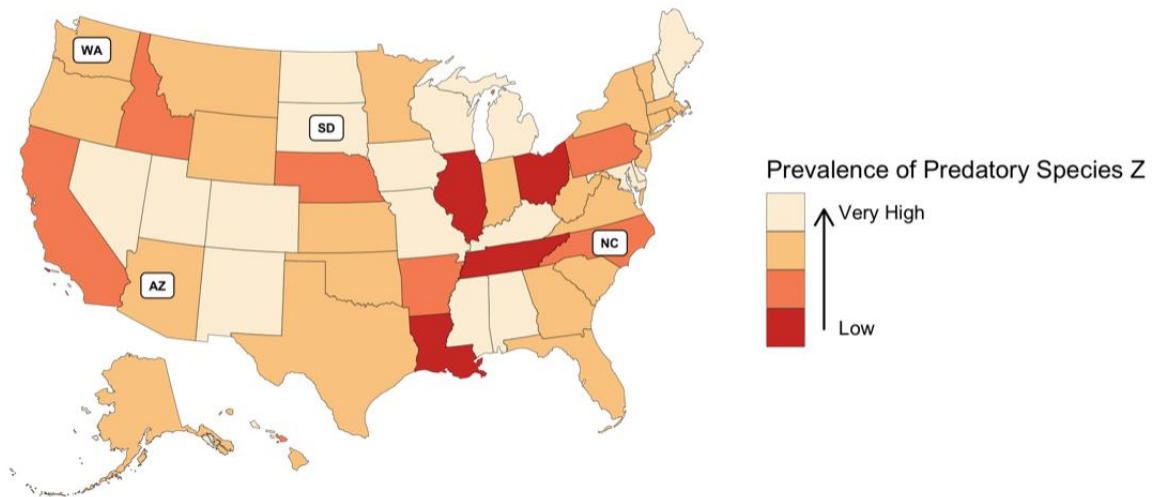
## Number of Sunny Days in the Winter



**Do U.S. states have a more similar number of sunny days in the summer or in the winter?**

- 1) Summer
- 2) Winter
- 3) Cannot be inferred / Inadequate information

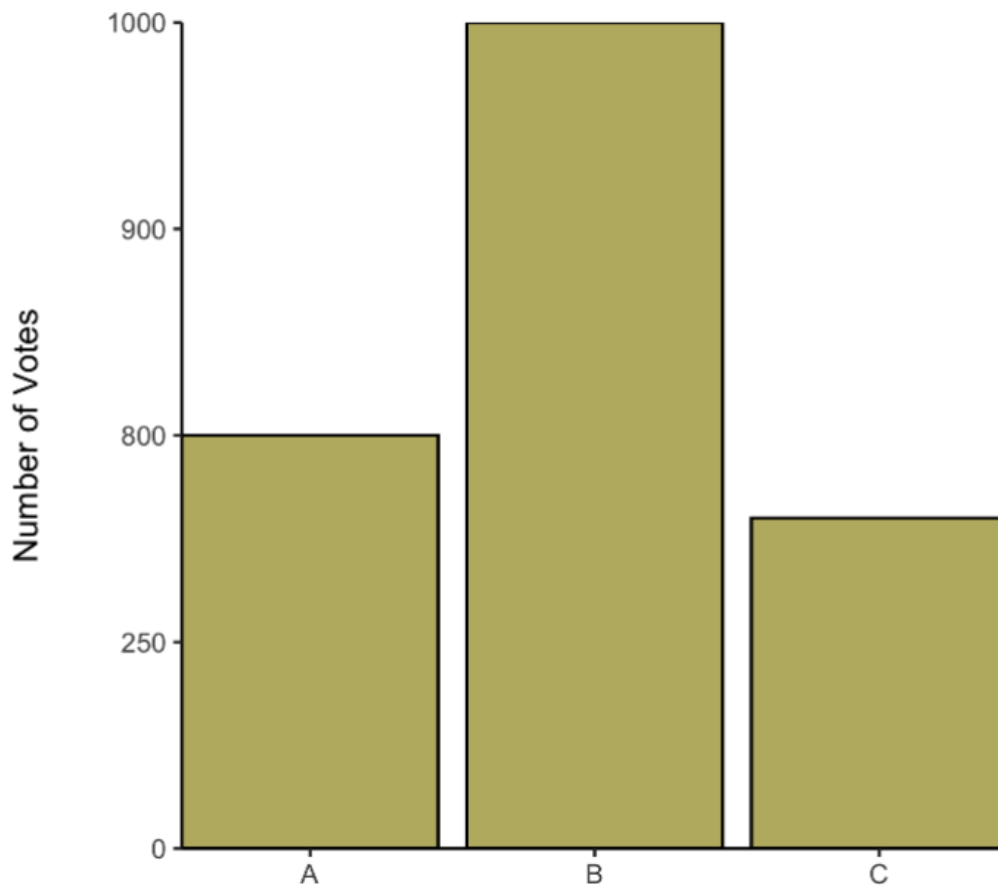
### Prevalence of Predatory Species Z in Each State



**True or False: Predatory species Z is more prevalent in NC than in AZ.**

- 1) True
- 2) False
- 3) Cannot be inferred / Inadequate information

Votes for Three Candidates in an Election in Town Z



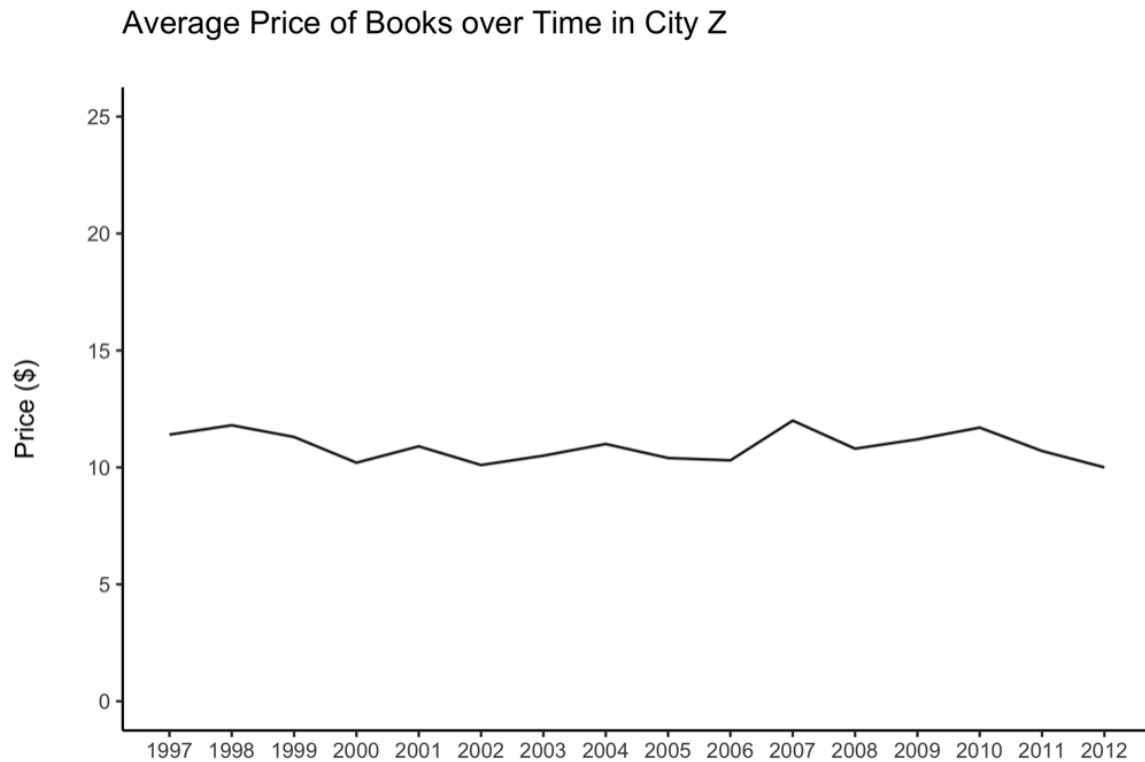
Approximately, what is the number of votes for candidate A as a proportion of those for candidate B?

- 1) 50%
- 2) 60%
- 3) 70%
- 4) 80%



**Within each town, is there a negative relationship between average daily working hours and happiness score?**

- 1) True
- 2) False
- 3) Cannot be inferred / Inadequate information



**What is the trend of the average price of books from 1960 to 2020 in city Z?**

- 1) Generally increasing
- 2) Generally decreasing
- 3) Generally constant
- 3) Cannot be inferred / Inadequate information