

# DATA SCIENCE Universities across U.S.

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## STORY

It is estimated that there will be 140,000 to 190,000 unfilled positions of U.S. data analytics experts by 2018. In response, universities are scrambling to improve their existing degree programs and create entirely new offerings in the data science filed.

## DATA

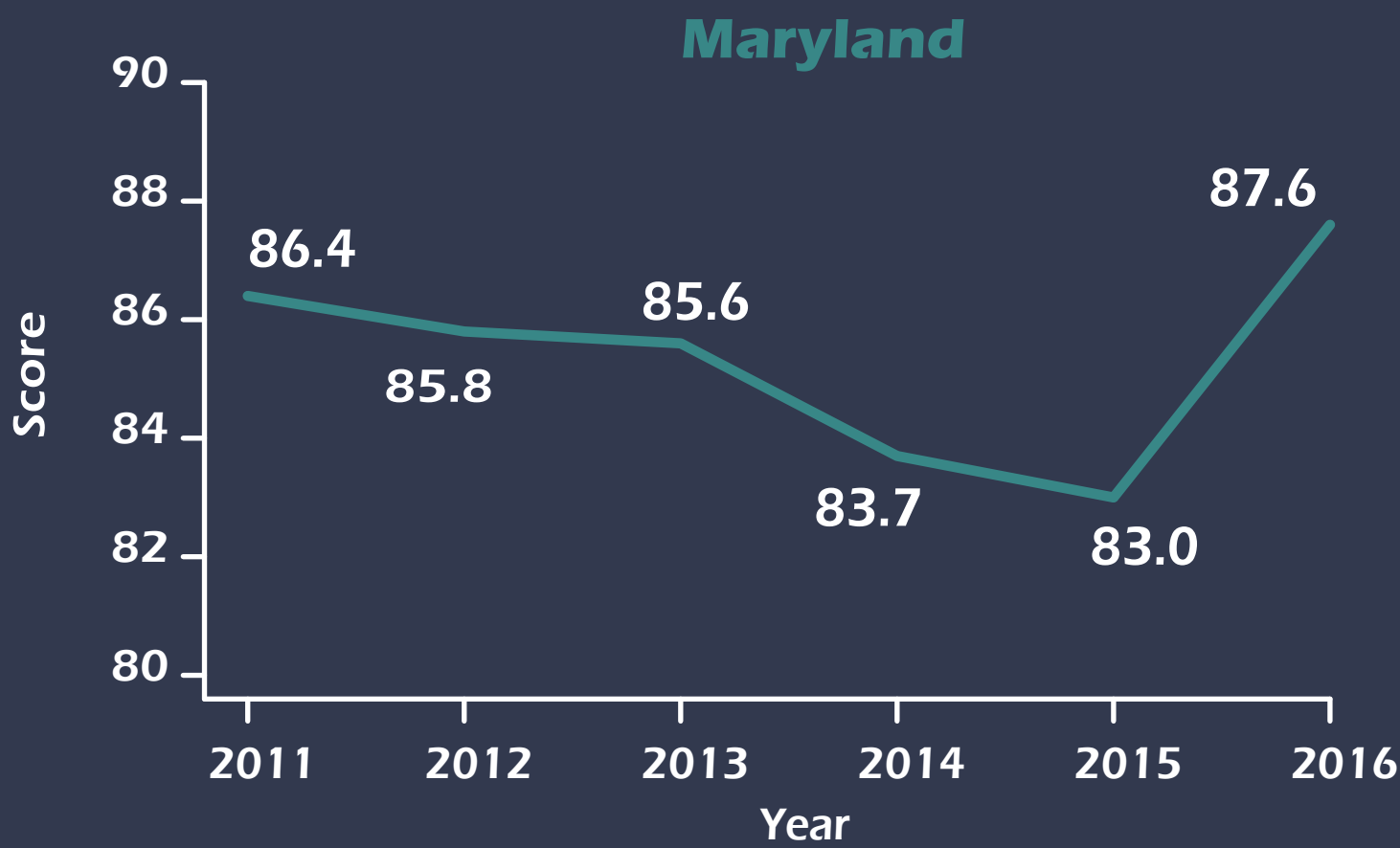
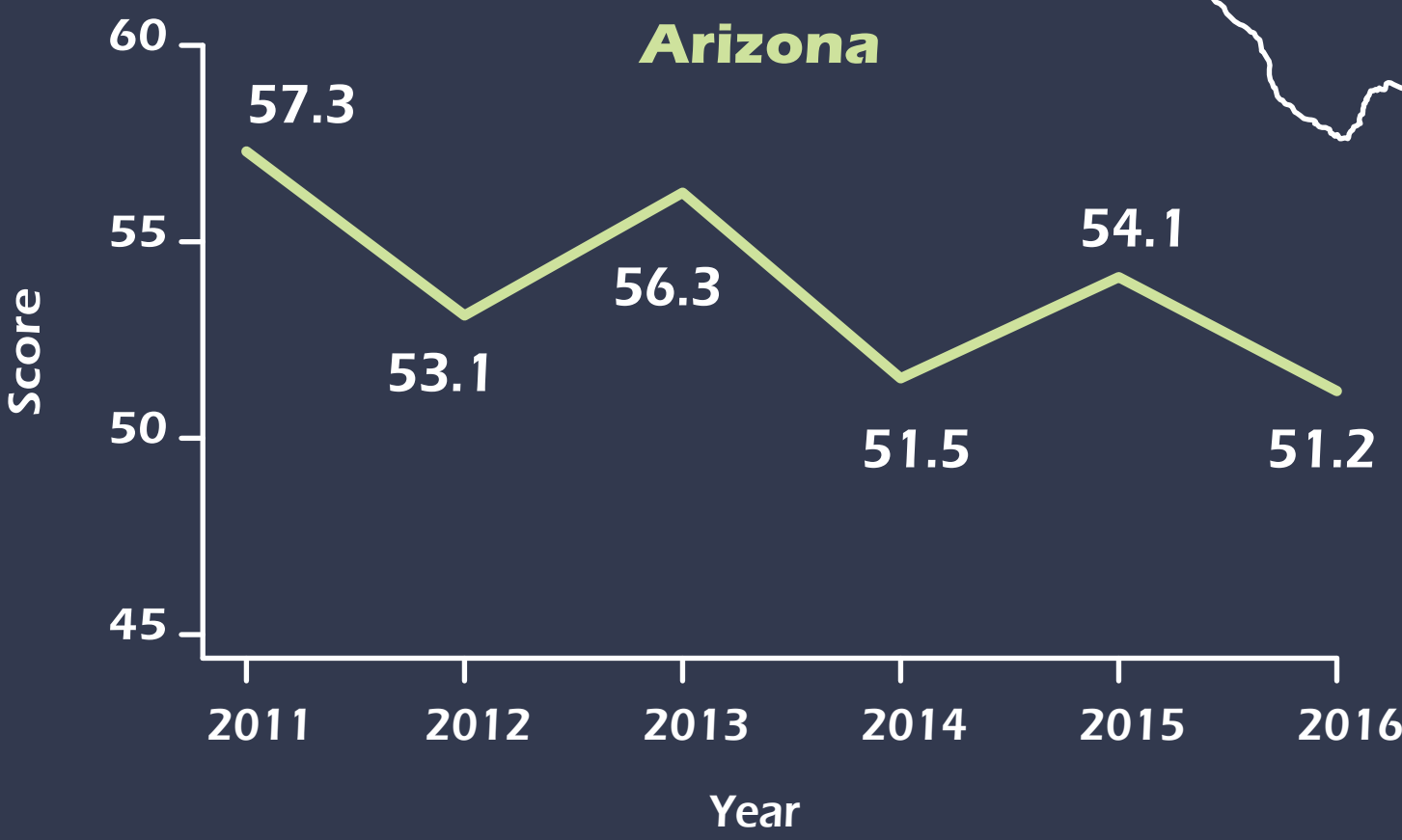
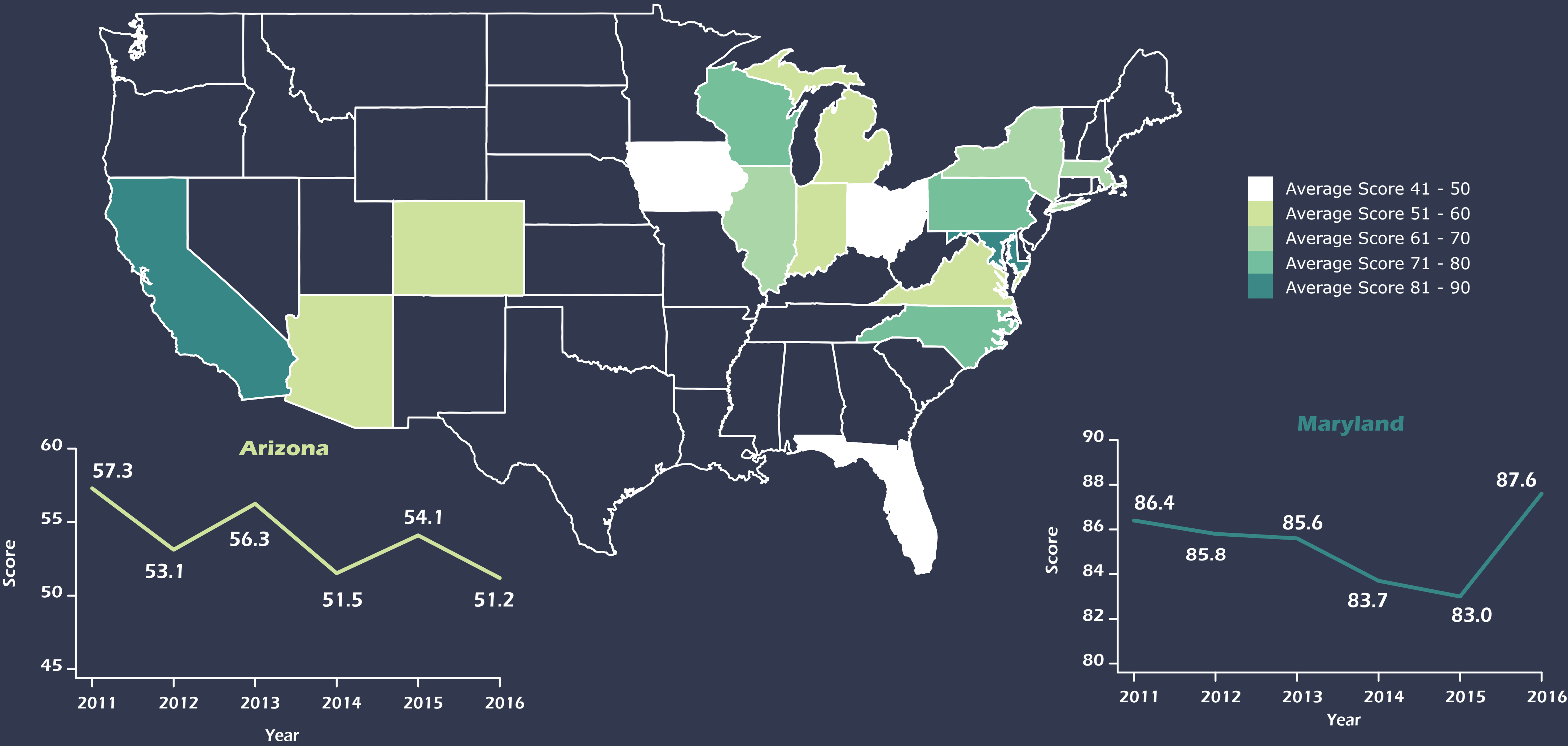
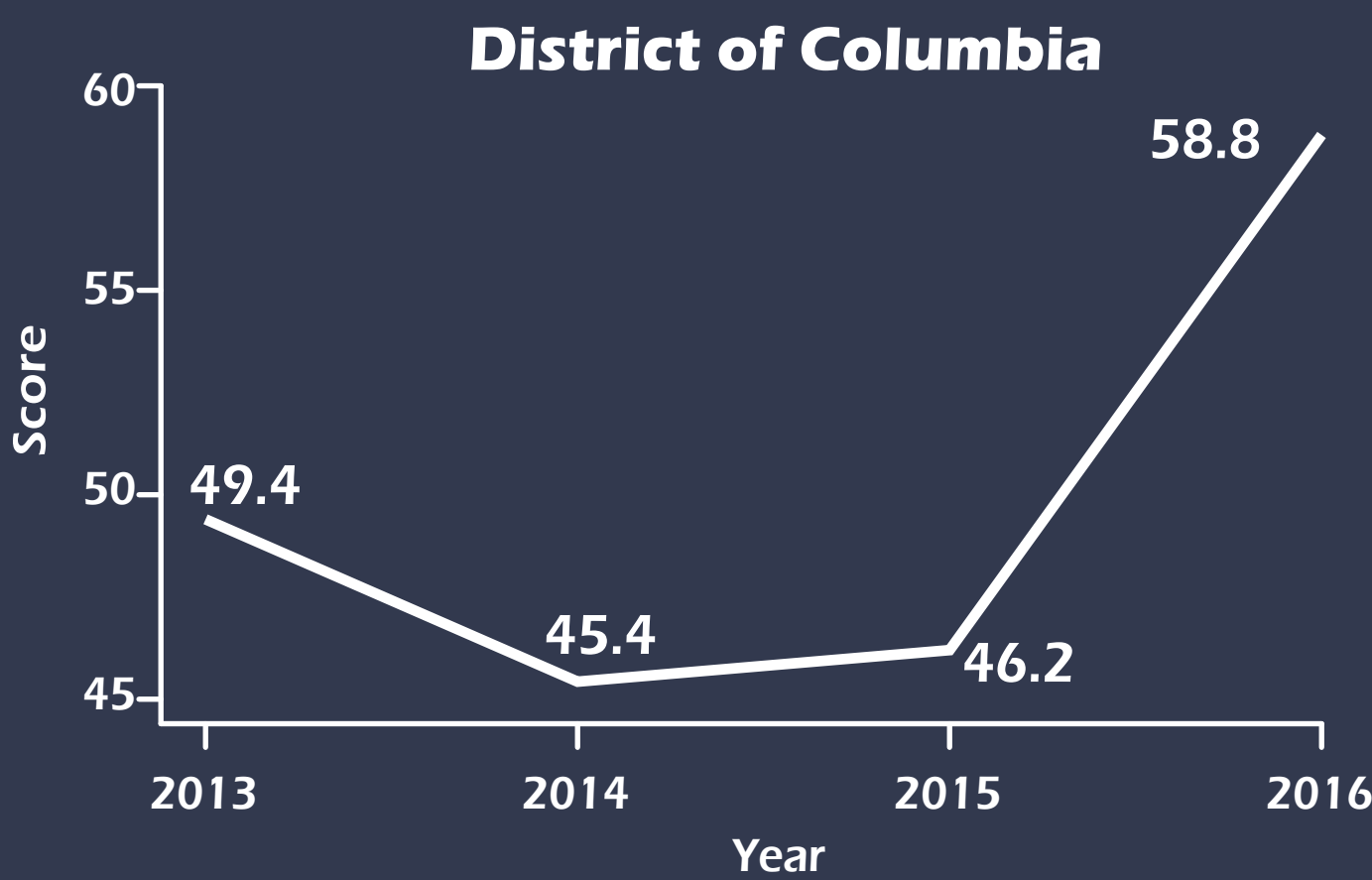
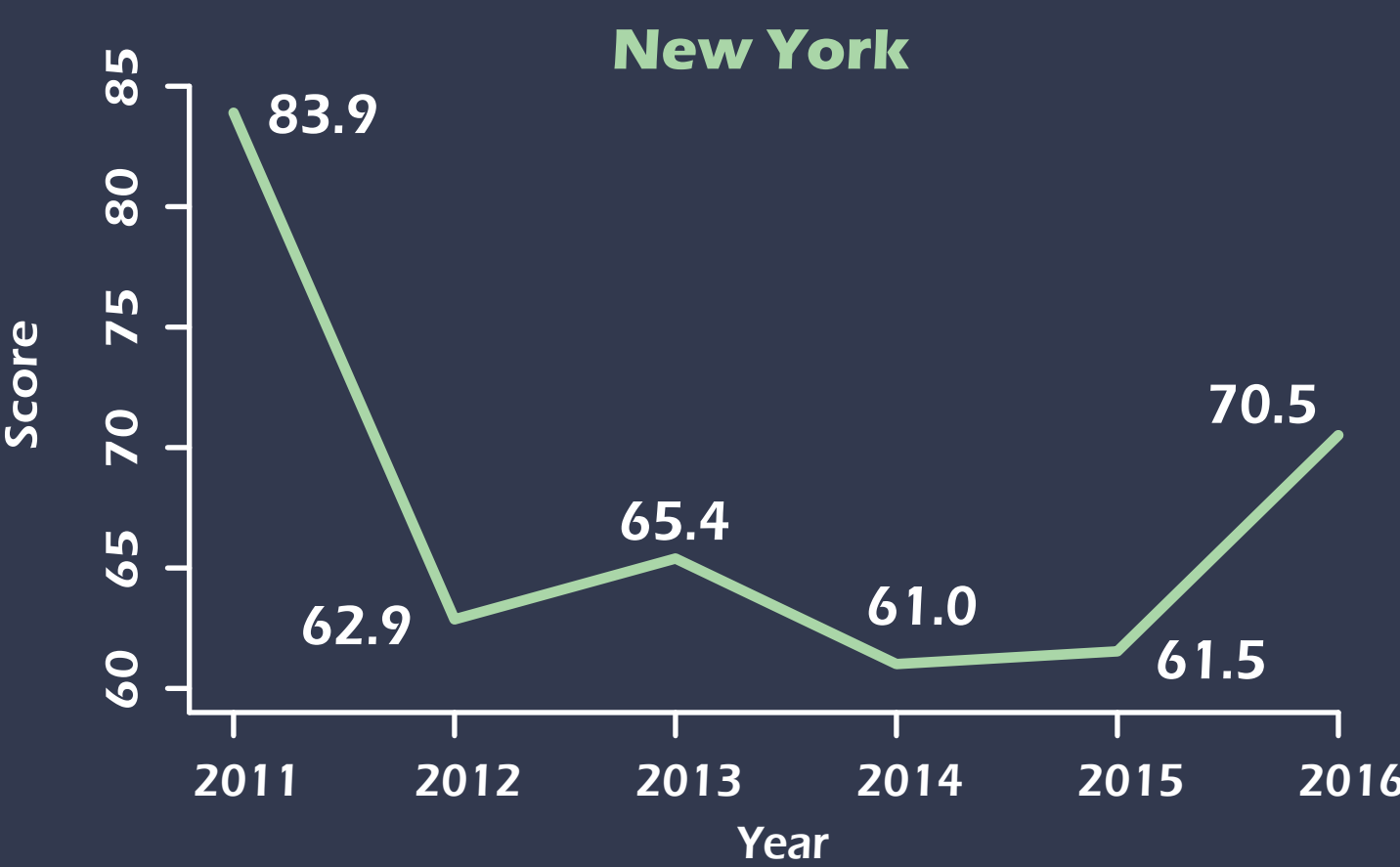
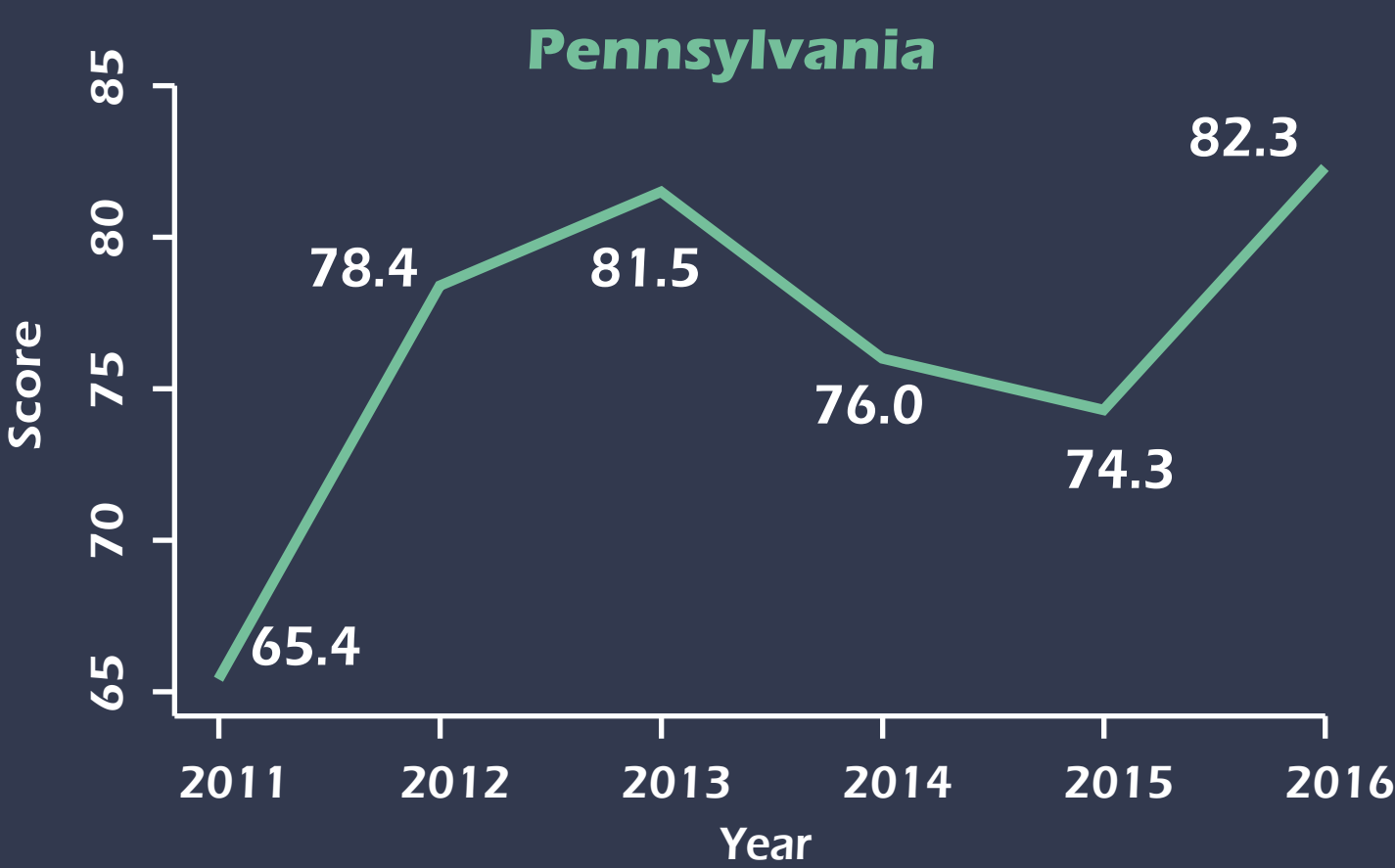
This dataset is about data science programs offered by universities across the United States from 2011 to 2016. The raw dataset has 954 rows and 27 columns. After data cleansing, the new dataset has 398 rows and 27 columns.

## AUDIENCES

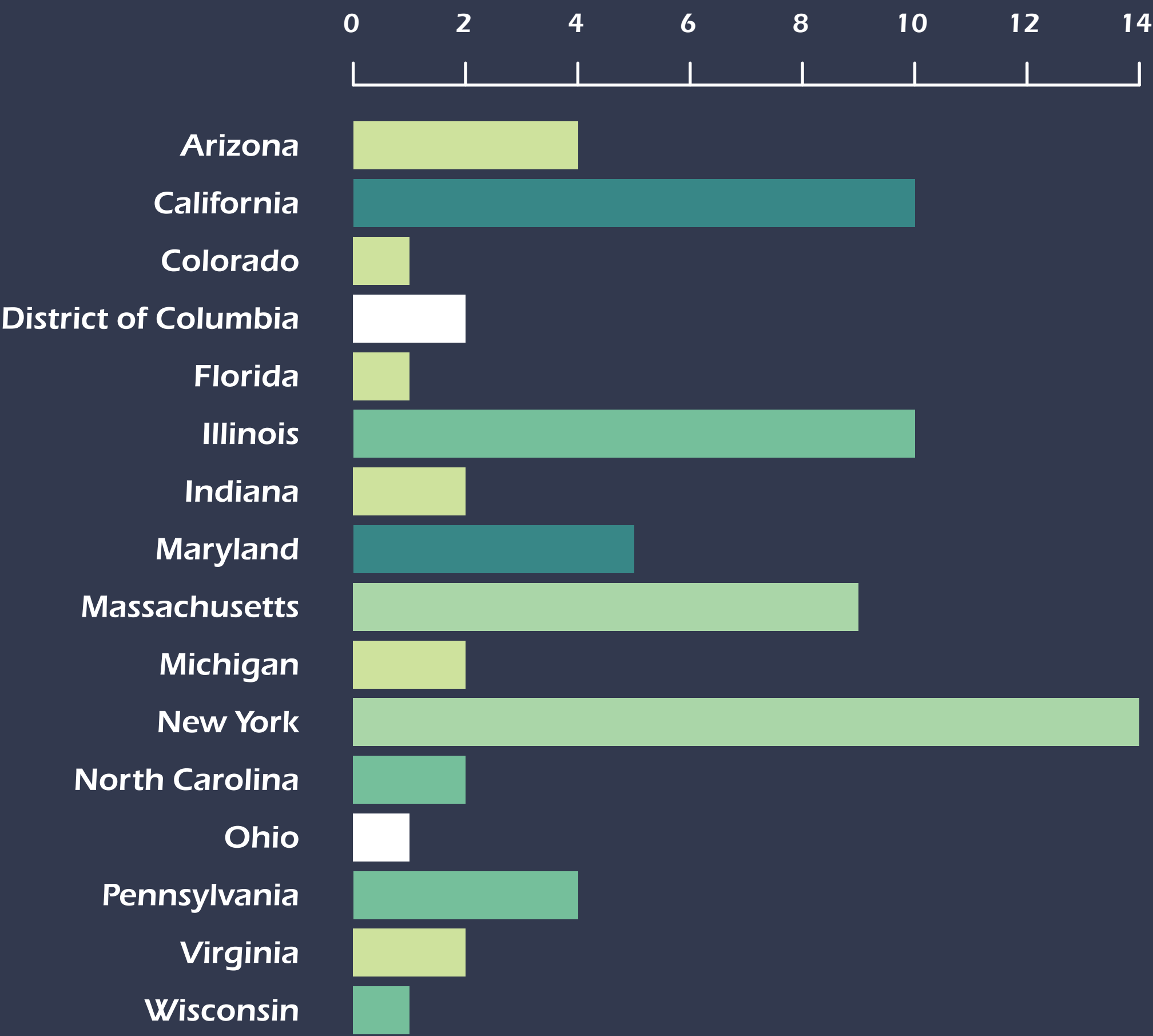
This project can provide a holistic and deeper view of the data science universities across U.S, and mainly help:

- 1) Students who are determined to get a data science-related degree in U.S.
- 2) Employers who look for graduating students with data analysis background for their company

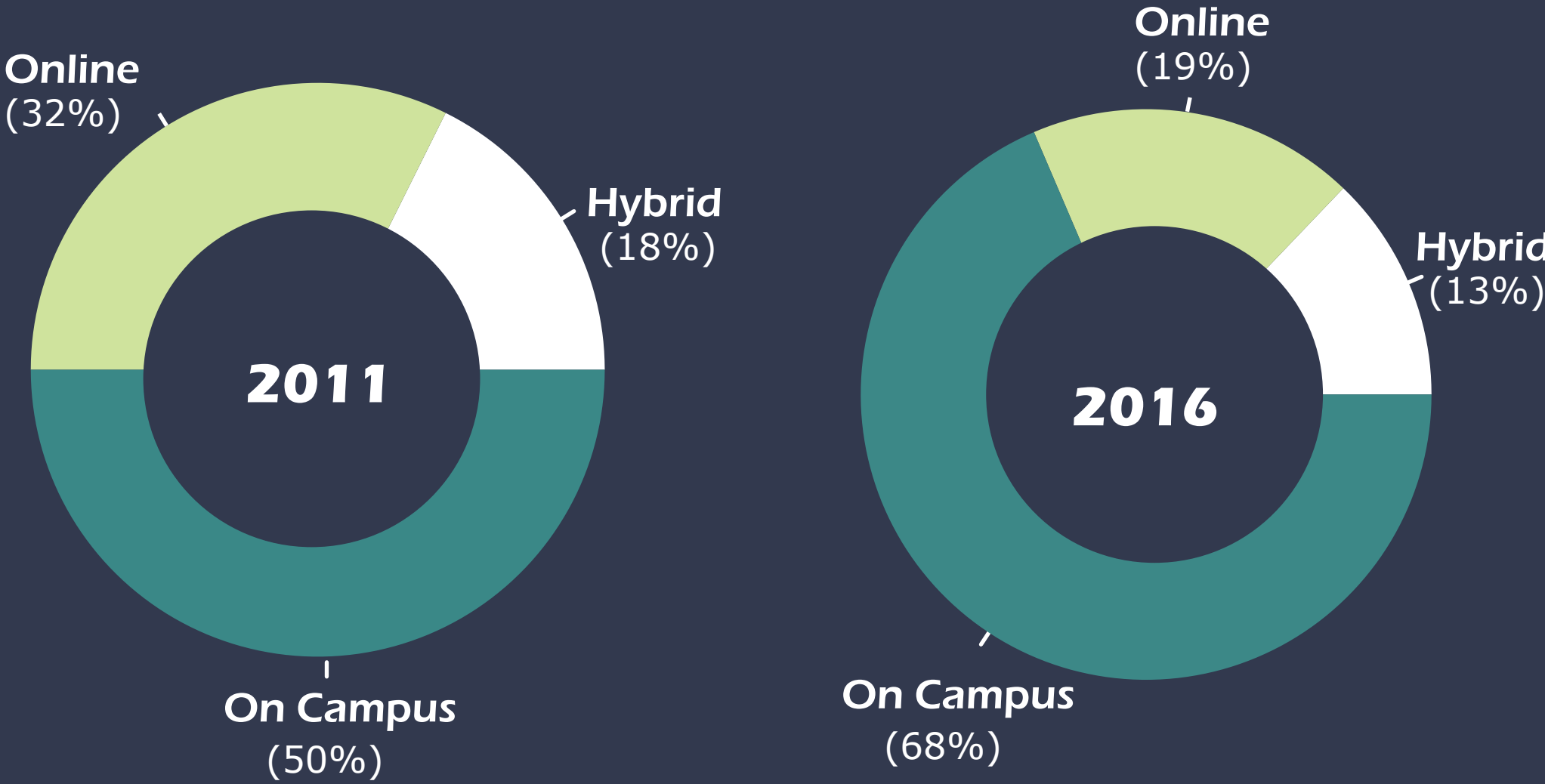
## What's the average score of those data science universities in states of America?



## How many data science programs in each state in 2016?



## How does the distribution of delivery types differ between 2011 and 2016?



## DISCUSSIONS

- From the exploration of above questions, we know that:
- 1) California and Maryland have higher quality of data science programs
  - 2) Arizona performs more unstable
  - 3) From 2011 to 2012, pennsylvania had a better performance than some of other states
  - 4) In 2016, New York owns the most data science programs than other states
  - 5) Compared to 2011, there are more on campus programs in 2016