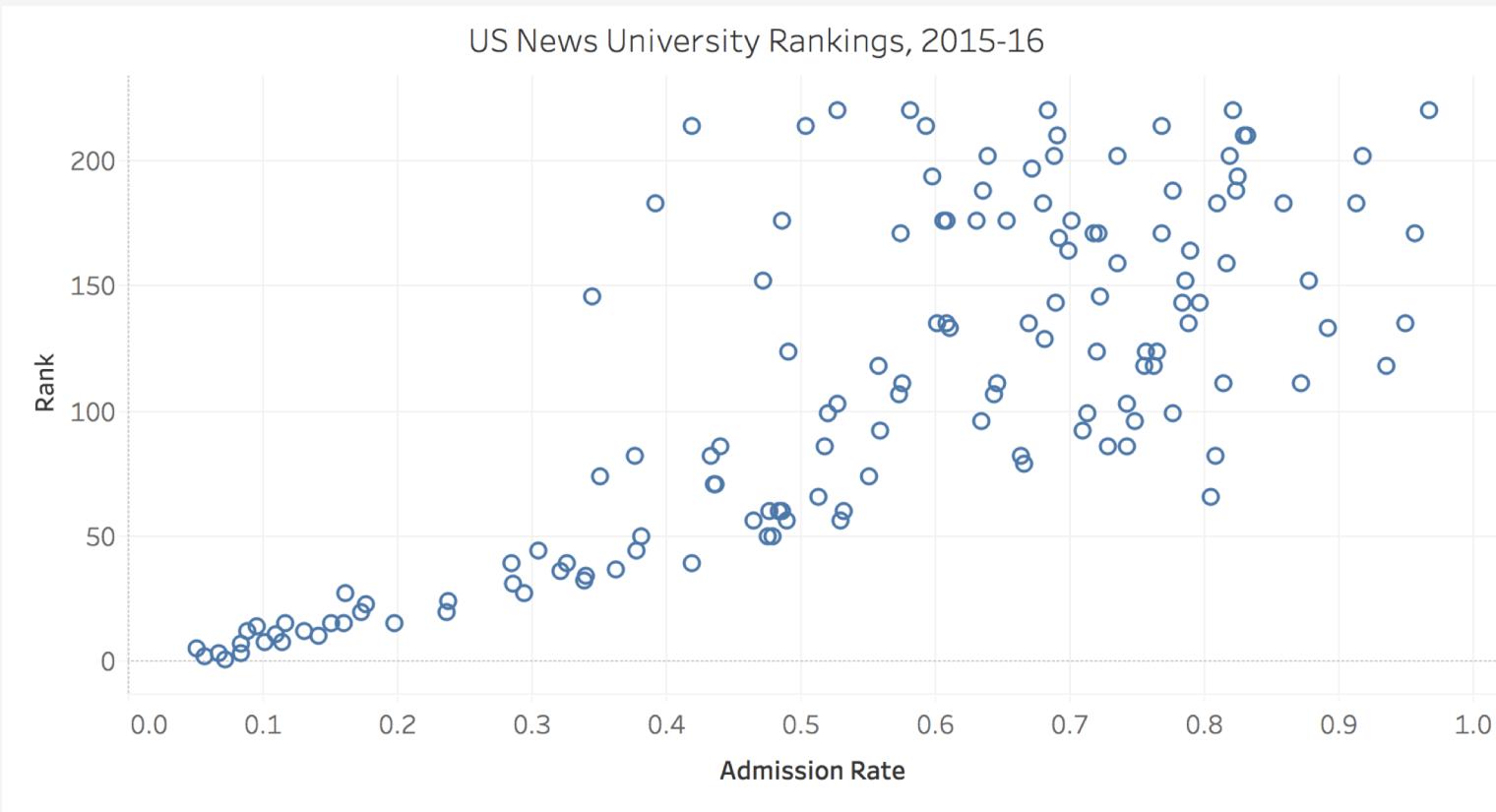


*COLLEGE
ADMISSIONS IN
THE UNITED
STATES*

Maya Madhavan

The Problem

+ 19.9 Million College Students
+ Limited Awareness of Schools



Data Sources

Key Facts:

+2015-2016

+ >1800 Columns

+ 7593 Schools

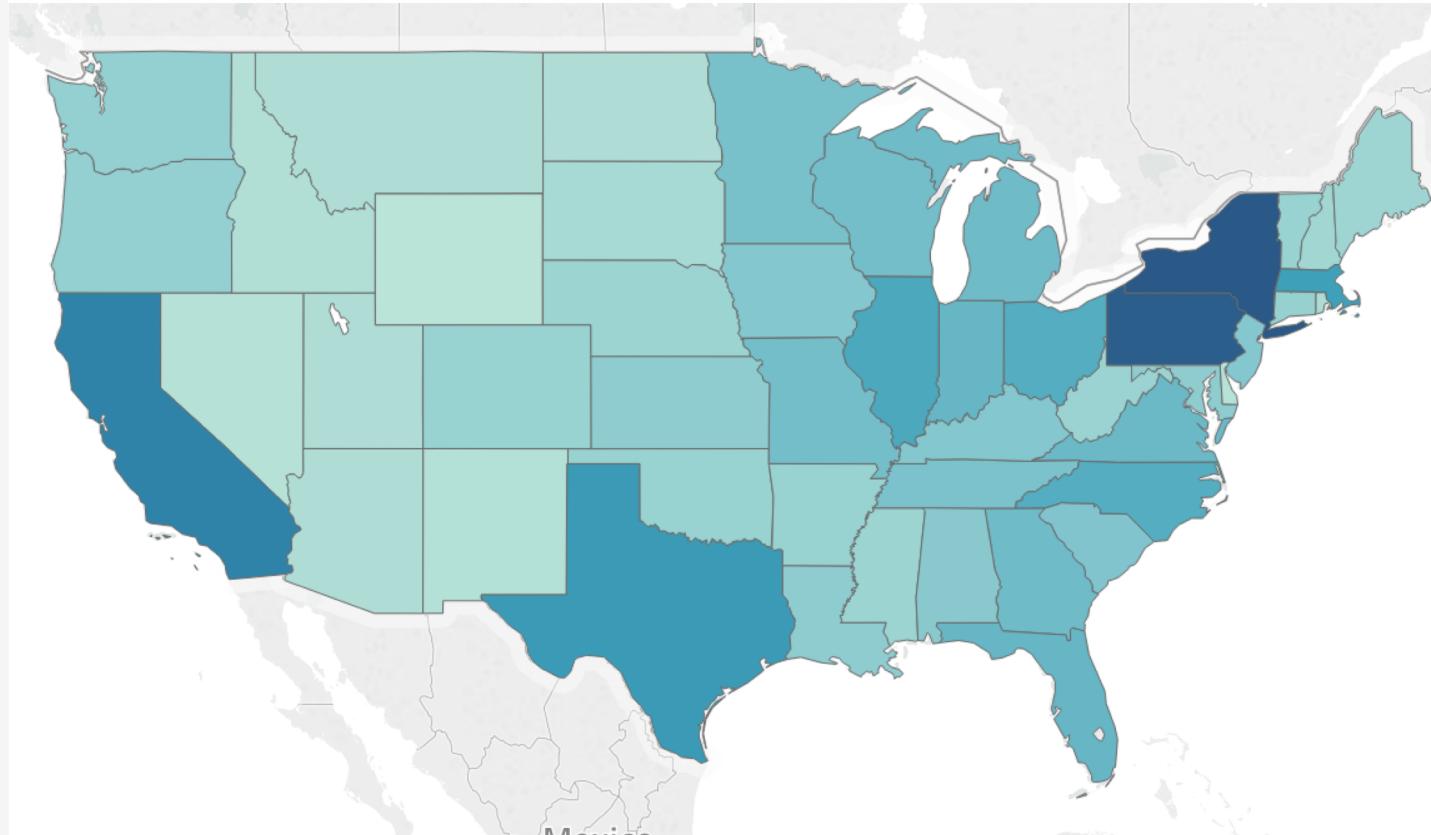


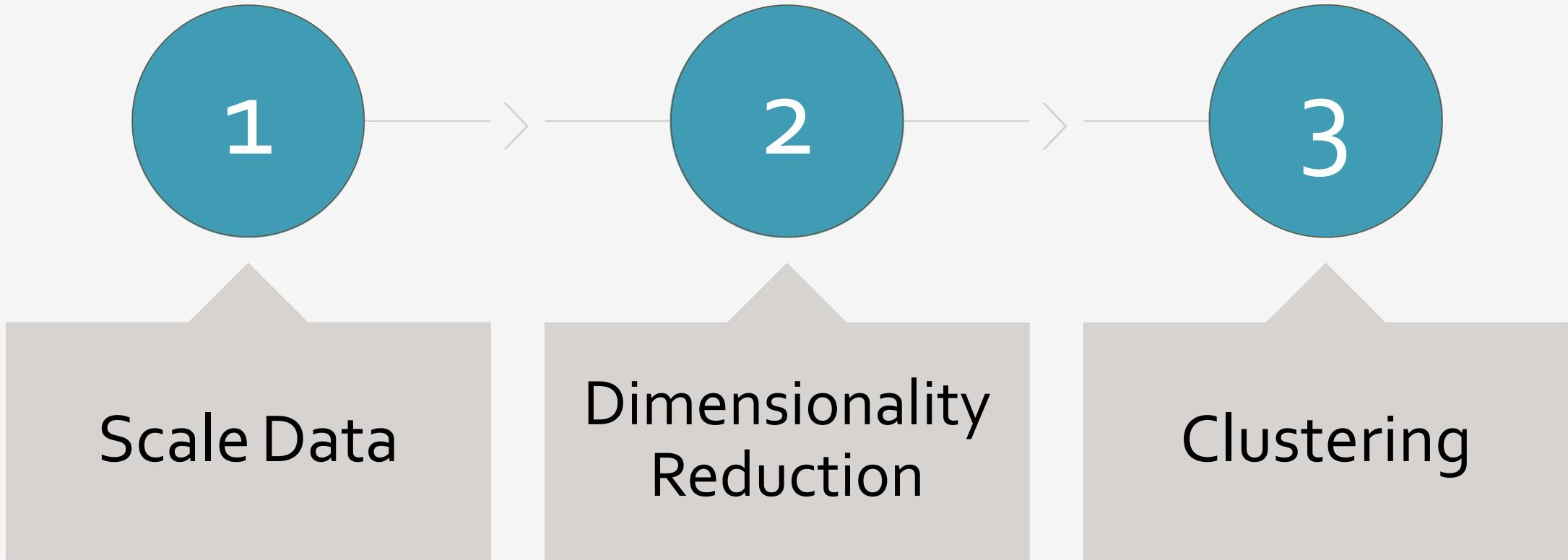
Cleaned Data

Key Facts:

- 393 Features
- 1430 Schools

Number of Schools Per State



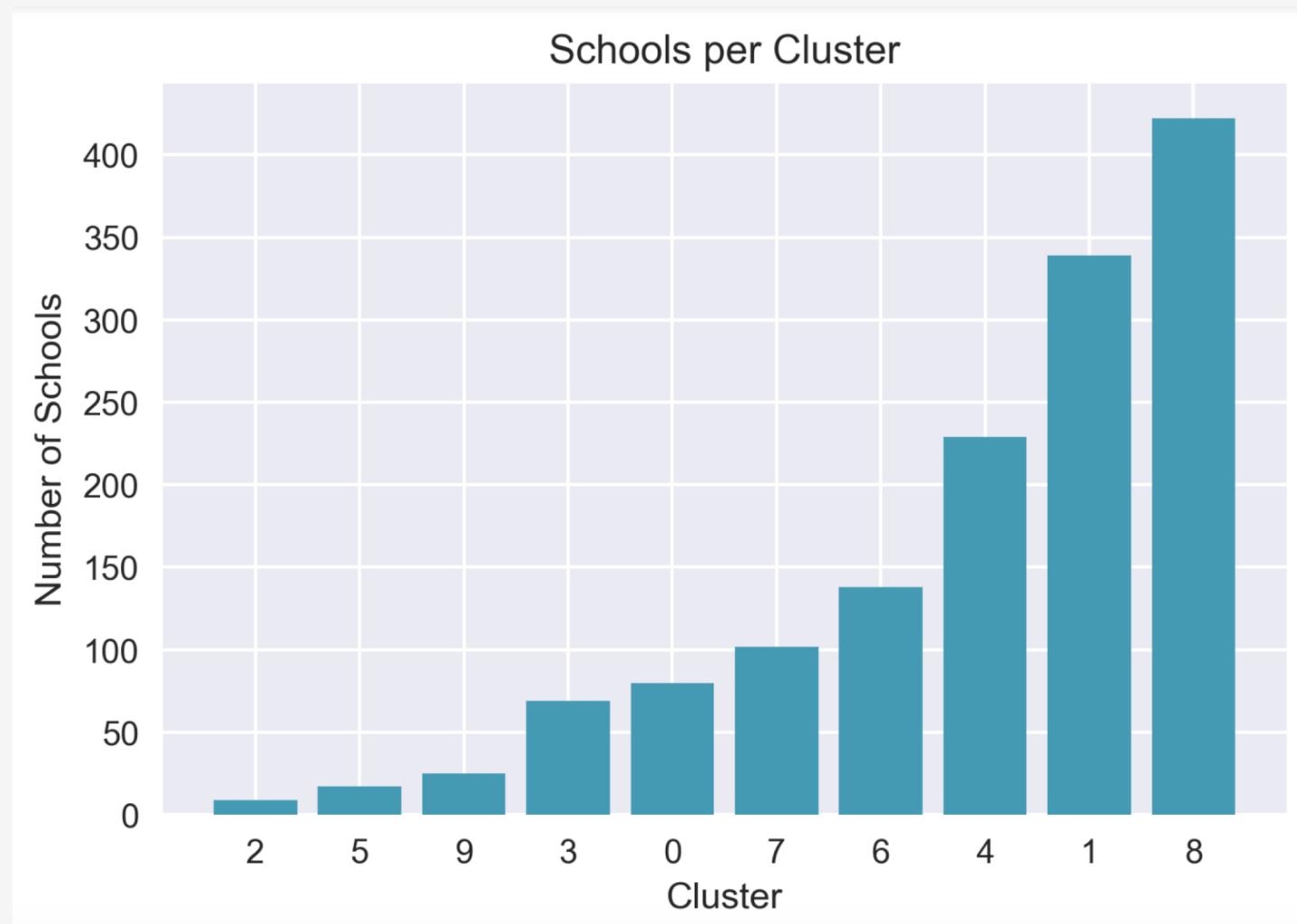


Method

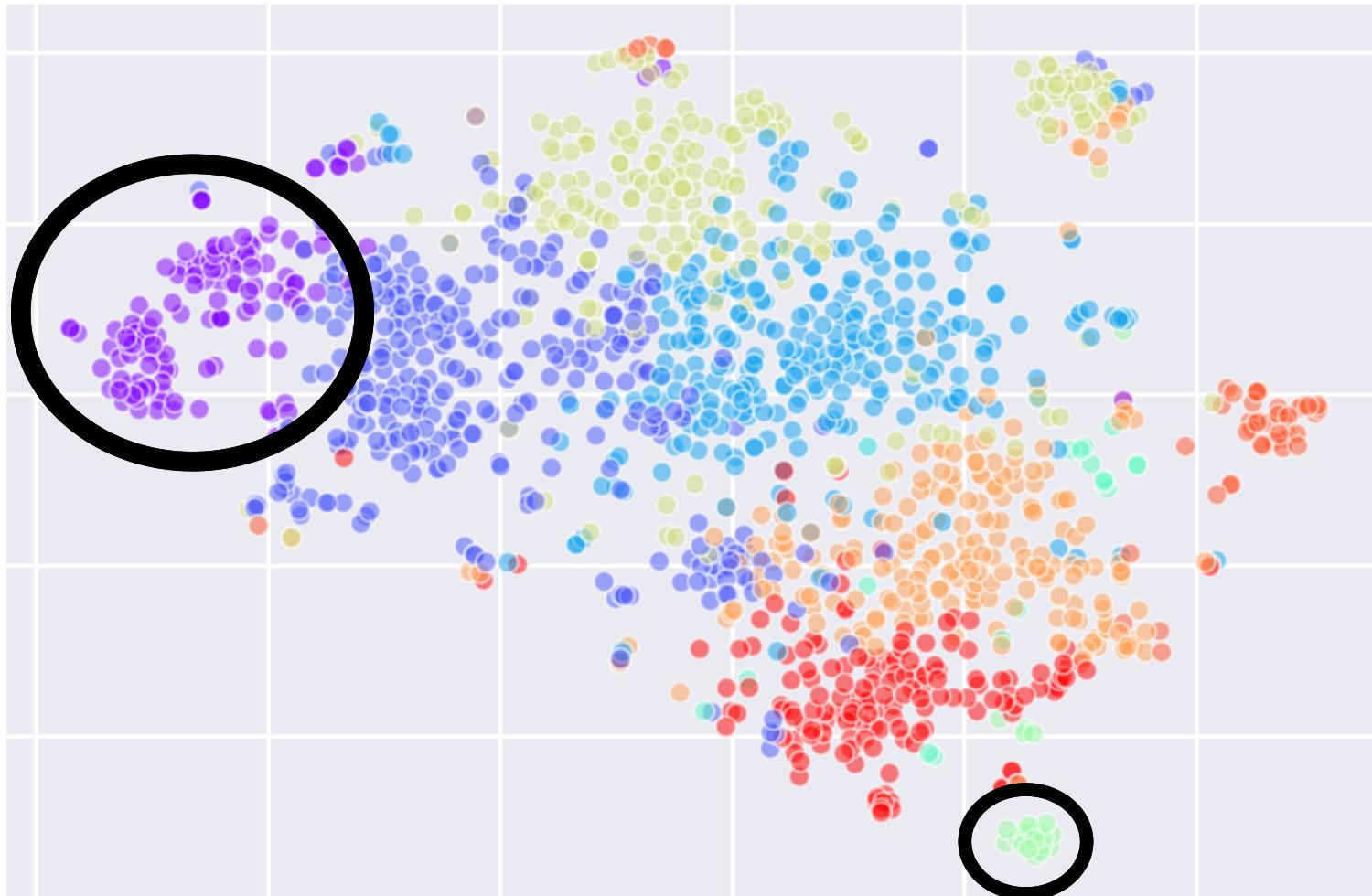
Result

Key Facts:

- PCA Reduction
 - 100 Components
 - 80% Explained Variance
- Kmeans
 - 10 Clusters



TSNE



Application

The screenshot shows a web browser window with the URL `127.0.0.1:5000`. The page title is "Application Seasoned" with the subtitle "College Admissions, Demystified.". The main heading is "Where will you apply?". Below it is a sub-heading "Let's Build Your List of Schools". A section titled "Reach Schools" contains a text input field with placeholder text "Enter Dream School" and an error message "Please Enter A Valid College". A button labeled "Find Similar Schools" is visible. Another section titled "Why don't you look at:" is partially visible. At the bottom, there is a section titled "Target Schools".

- Model After Application Process
 - Cluster by Acceptance



Future Directions

- Adapt for Students Without Dream Schools
- Simplify Model
- Cluster Features Students Care About



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mmadhava100

Sources

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