

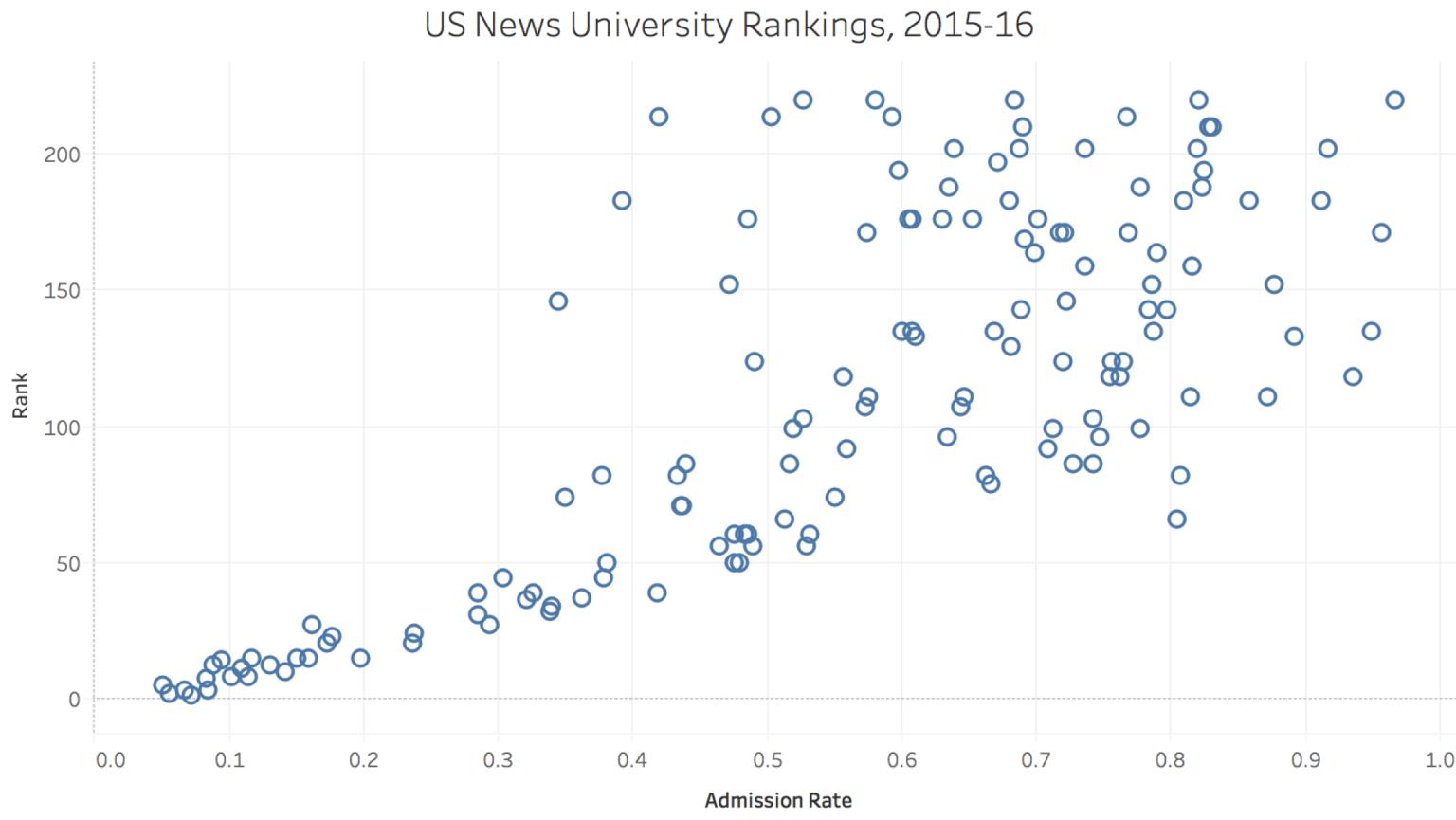
*COLLEGE  
ADMISSIONS IN  
THE UNITED  
STATES*

*Maya Madhavan*

# *THE PROBLEM*

- + 19.9 million college students
- + Limited Awareness of Schools

US News University Rankings, 2015-16



# *Data: Sources*

Key Facts:

+2015-2016

+ >1800 Columns

+ 7593 Schools

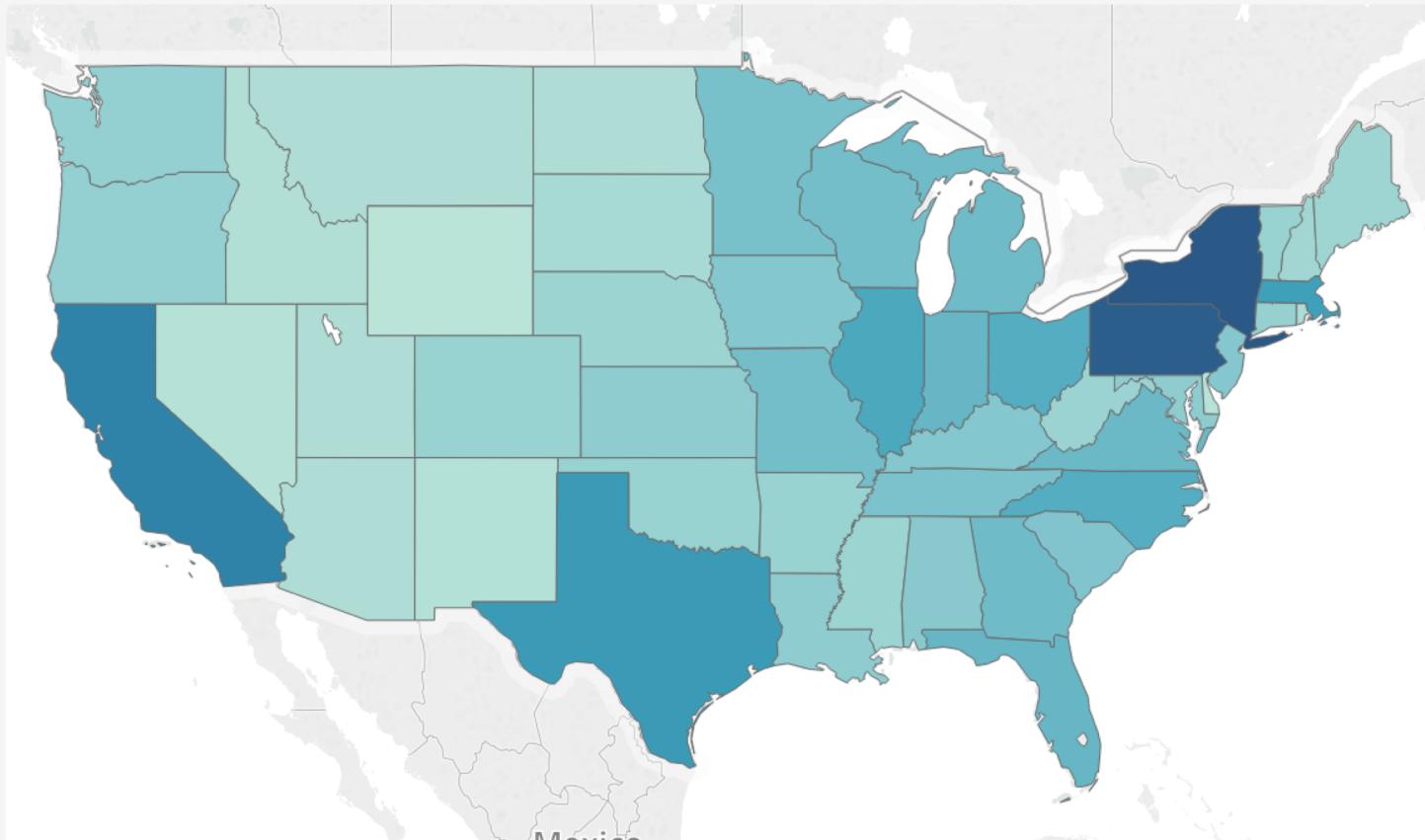


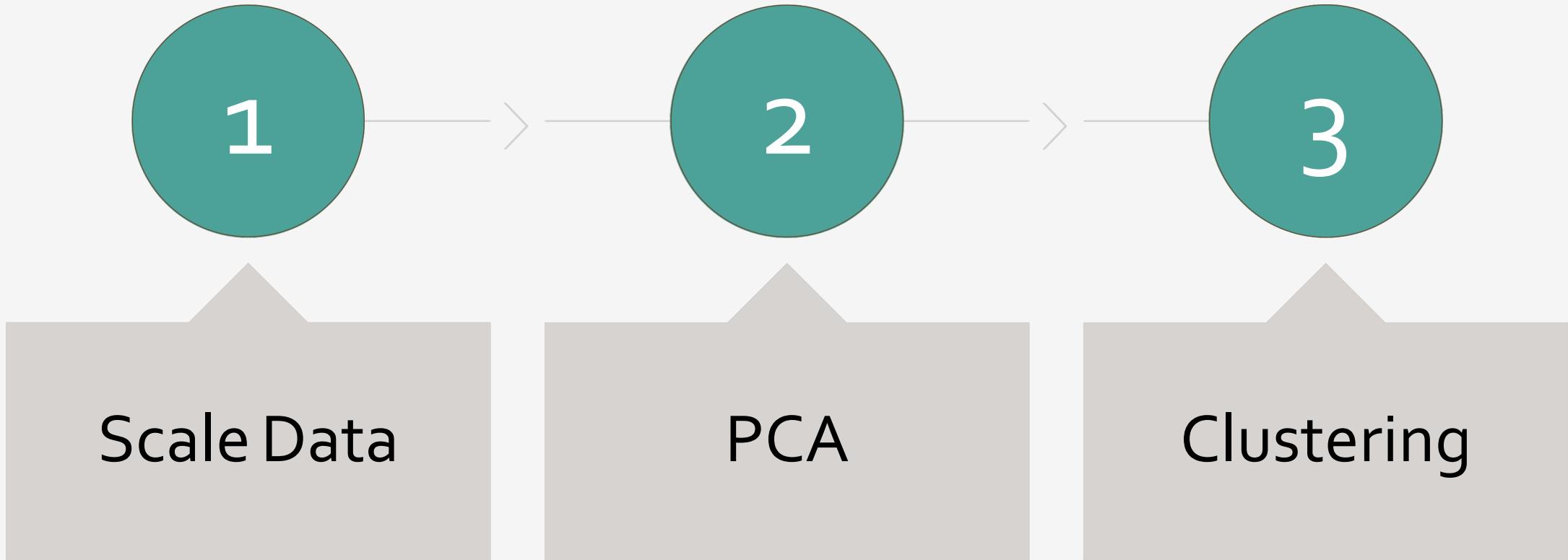
# *Cleaned Data: Quick Look*

Key Facts:

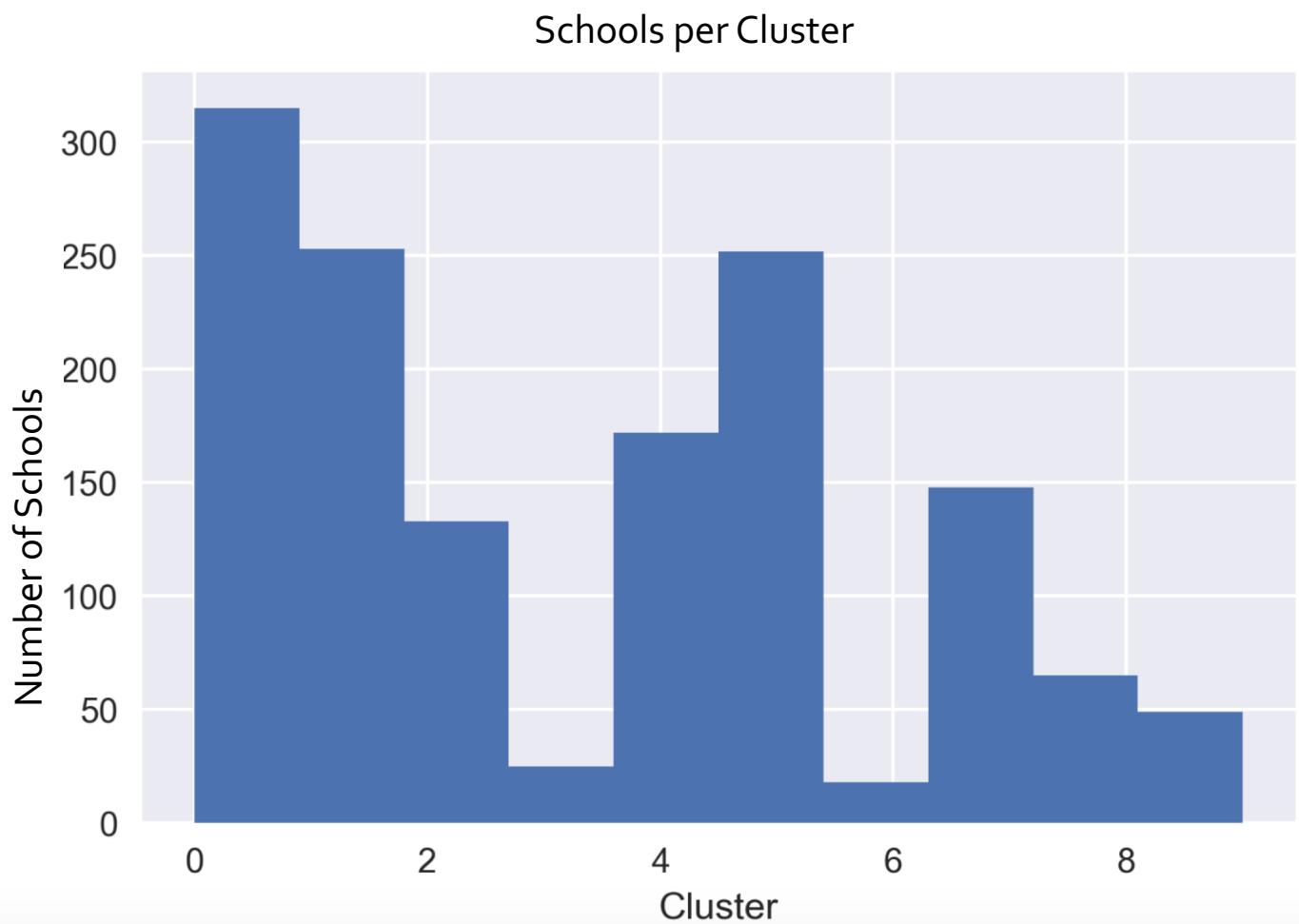
+ 393 Features

+ 1430 Schools





*Recommendations: Method*



## *Recommendations:* *Result*

Key Facts:

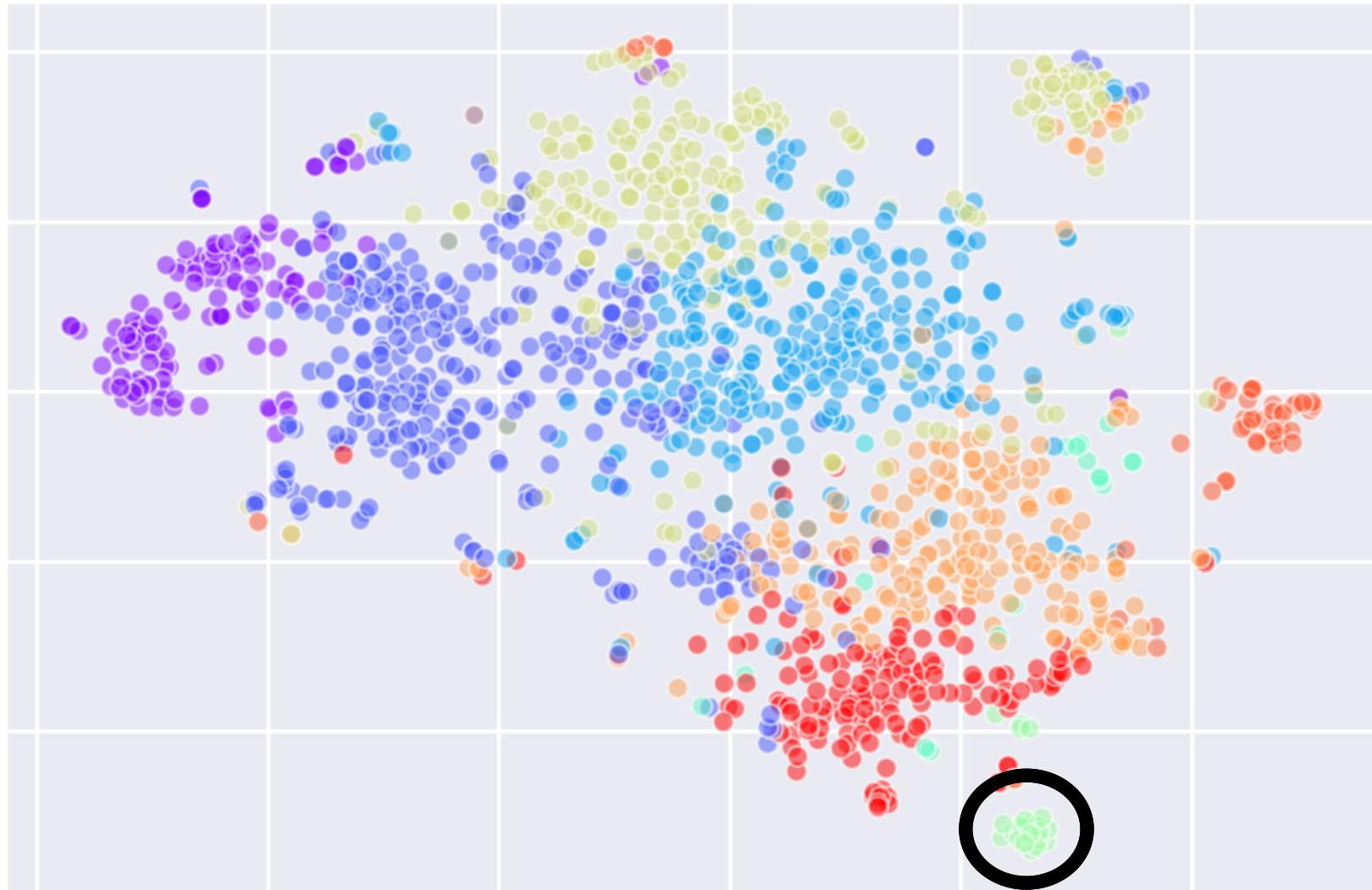
+ 100 Components

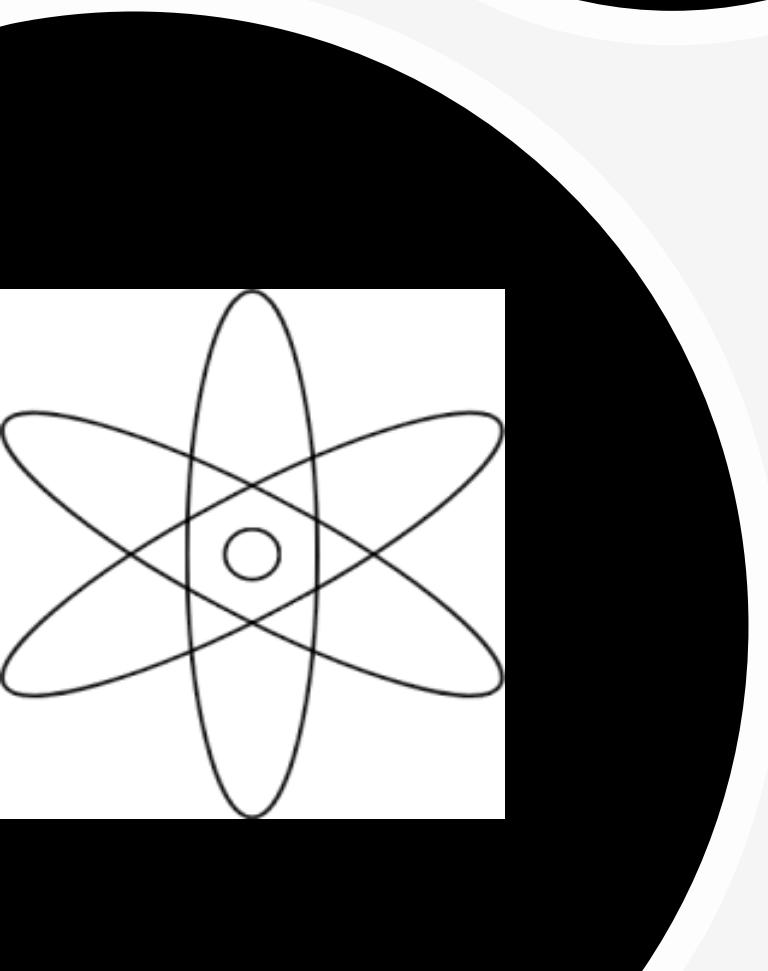
- 80% Explained Variance

+ 10 Clusters

+ Perplexity = 30

## tSNE on topic space using kmeans





*DISCERNING  
MEANING*

%

# *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-section titled "Reach Schools" with a text input field containing "Enter Dream School" and an error message "Please Enter A Valid College". There is also a button labeled "Find Similar Schools". Another section titled "Why don't you look at:" is partially visible. At the bottom, there is a section titled "Target Schools".

- + Model after real application process
- Cluster by Acceptance



# *Future Directions*

- + Adapt for students who don't have dream schools
- + Simplify model
- + Cluster using features that students care about and are aware of

# *Sources*

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- <https://www.newyorker.com/magazine/2011/02/14/the-order-of-things>
- <https://nces.ed.gov/fastfacts/display.asp?id=372>
- <https://www.cnbc.com/2014/11/10/is-a-college-planner-really-worth-it.html>
- <https://www.ivycoach.com/the-ivy-coach-blog/college-admissions/fees-college-consultants/>

# *About Me:*



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