A Professor Recommender

Many of our professors are "awesome"

Chelsea Fried
Mackenzie Leake
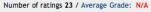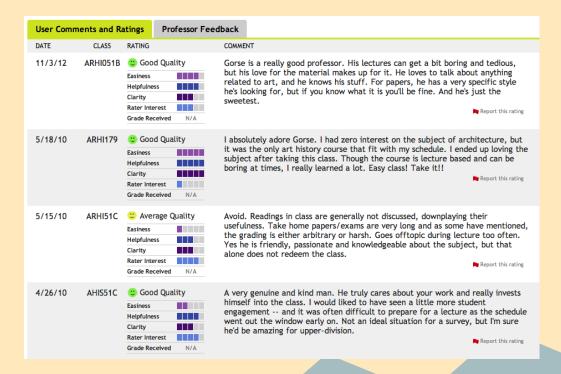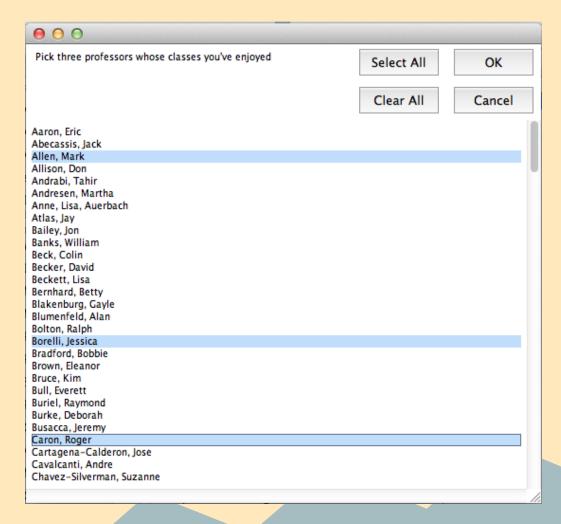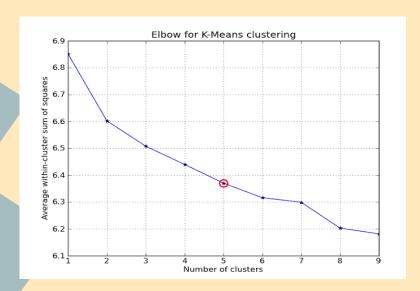Arianna Perkins

Picking Classes is Hard

A Professor Recommender

Users input 3 professors they've liked in the past, and we recommend 5 new profs they should check out.

Pick three professors whose classes you've enjoyed

Select All   OK

Clear All   Cancel

Aaron, Eric
Abecassis, Jack
Allen, Mark
Allison, Don
Andrabi, Tahir
Andresen, Martha
Anne, Lisa, Auerbach
Atlas, Jay
Bailey, Jon
Banks, William
Beck, Colin
Becker, David
Beckett, Lisa
Bernhard, Betty
Blakenburg, Gayle
Blumenfeld, Alan
Bolton, Ralph
Borelli, Jessica
Bradford, Bobbie
Brown, Eleanor
Bruce, Kim
Bull, Everett
Buriel, Raymond
Burke, Deborah
Busacca, Jeremy
Caron, Roger
Cartagena-Calderon, Jose
Cavalcanti, Andre
Chavez-Silverman, Suzanne

The Data

- Rate My Professors scraper
- Manipulate data to prepare for clustering
  - dictionaries
  - excel
  - stop words
- Bigrams
- TF-IDF

Clustering

K-means clustering (with a k of 5)

Clustering provides structure for our unstructured data

Results

Cluster 0 (size 120)
- dont
- not
- work
- material
- hard
- extremely
- easy
- fun
- time
- nice

Cluster 2 (size 40)
- awesome
- is awesome
- reading
- guy
- of reading
- awesome guy
- the material
- material
- I love
- his head

Cluster 4 (size 31)
- amazing
- passionate
- the subject
- subject
- an amazing
- subject matter
- theater
- politically
- one view
- really lovable

Cluster 1 (size 27)
- super
- easy
- super fun
- super nice
- teacher nice
- fun
- nice
- interesting
- relatively easy
- fairly easy

Cluster 3 (size 11)
- psych
- social
- social psych
- her stuff
- stuff
- political
- politics
- and political
- as interesting
- as social

Clustering Validation

- Subjectively
- Distribution across clusters (size of clusters)
- Distinctive numeric ratings within each category for each cluster