Outline

1. What We’re Doing
2. Stacked Bar Graphs
3. Our Experience
4. Future Work
5. Acknowledgements
What We’re Doing

- Task: Determine trends in paleontology
- Work: Text mining the abstracts and building word counts to perform analysis on.
Stacked Bar Graphs
Stacked Bar Graph Cont.

AnimalType Graphed by Count per Year

- Dinosaur
- mammal
- fish
- bird
- amphibian
- reptile

Year:
- 1985
- 1990
- 1995
- 2000
- 2005
- 2010
- 2015
- 2020
Our Experience

Learned to be client centric

Learned over 5 new Python frameworks

Fostered a better understanding of automated textual analysis
Future Work

- Extract, analyze, and present data relating to the authors of the publications
  - How authors relate to each other
  - How authors relate to a particular subject
  - Show demographics of the authors
  - Can be represented as a graph data structure

- Integrate the code into a web application
  - Users submit their abstracts to the app
  - Users can do it all themselves instead of submitting to devs and waiting for a result
  - Users can customize report parameters and stop words
Acknowledgements

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References

Questions?