# Supplemental Material

Accessible Visualization via Natural Language Descriptions: A Four-Level Model of Semantic Content Alan Lundgard and Arvind Satyanarayan

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## corpus\_sentences\_labeled.json

Our corpus, consisting of all visualization descriptions (582 total) and labeled sentences (2,147 total), organized as follows.

vis id number

A unique four-digit id number.

descriptions

A list of each author id and the description they wrote for a given visualization.

sentences

A list of each sentence in the description, labeled according to our four-level model of semantic content.

## corpus\_summary\_and\_evaluation.pdf

A typeset document containing the following.

- Corpus Summary
  - · Corpus descriptive statistics.
  - Corpus fingerprint visualization.
- Evaluation Design
  - Examples of the rank-choice interfaces.
  - All questions shown in the rank-choice evaluation.
- Evaluation Questionnaire
  - Demographic questions.
  - Visualization questions.

#### /evaluation

A folder containing data and code from the rank-choice evaluation.

calculate\_stats.py

Code for calculating the statistics reported in the paper.

blind\_rankings\_numeric.csv

Rank-choice data from blind readers, in numerical form.

blind\_rankings\_text.csv

Rank-choice data from blind readers, textual form.

sighted\_rankings\_numeric.csv

Rank-choice data from sighted readers, in numerical form.

sighted\_rankings\_text.csv

Rank-choice data from sighted readers, in textual form.

#### /visualizations

A folder containing the visualizations (50 total) used for gathering the corpus, each file named according to the following.

vis id number

A unique four-digit number.

chart type

Bar, line, or scatter.

difficulty

Easy, medium, or hard.

• topic

Academic, business, or journalism.