ORES Custom Documentation VII

Disclaimer: No guarantee for the correctness of information / explanations / sources is given.

Goals

1. Look further into visualisation possibilities for Use Case 1

1 Data Visualisations

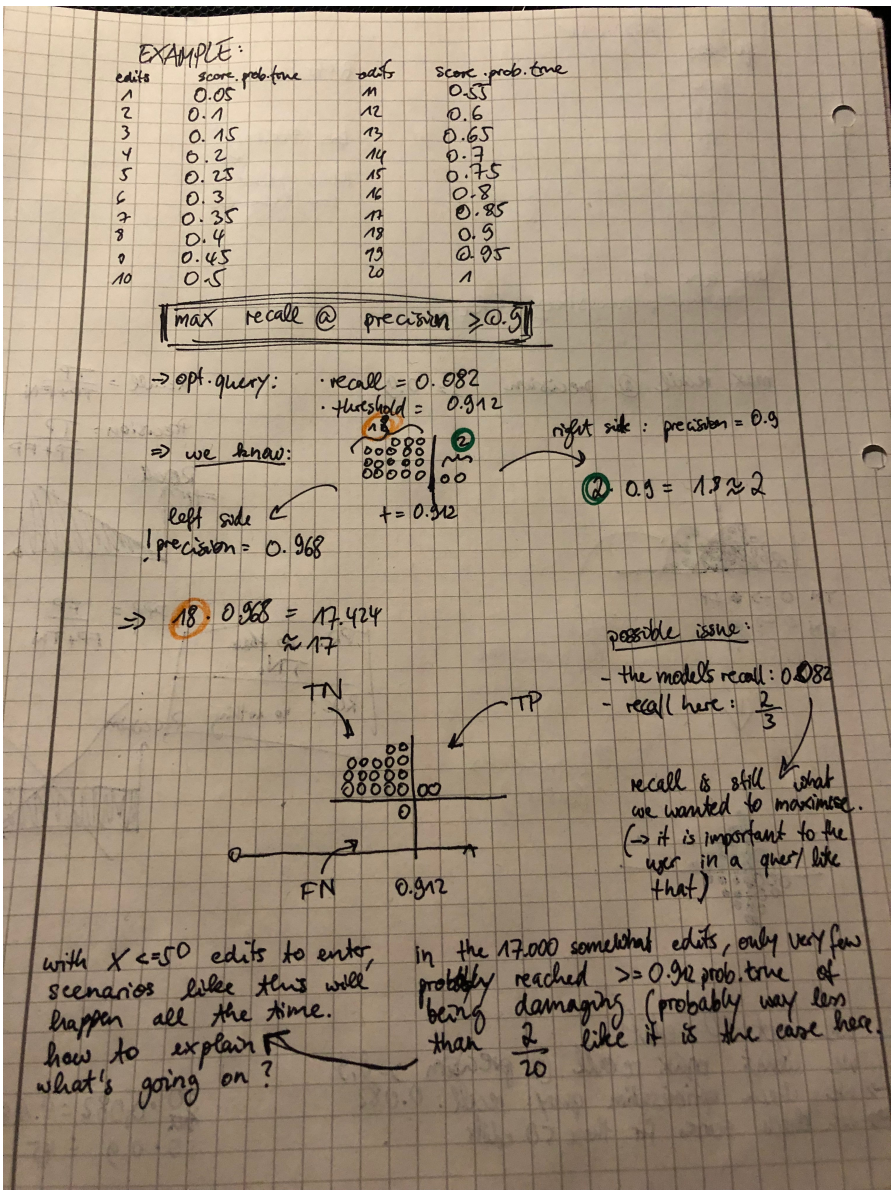
Use Case 1: maximum recall @ precision >= 0.9

1.1 Quick brainstorming

- Maybe we should not focus on constructing sdomething that works for Use Case 1, but already look for solutions that will help with every query.
- The common factor are the confusion matrix values: TP, FP, TN, FN and still the best visualisation to me is the Google Discrimination Threshold one (Link).
- I feel like constructing something like that and then showing pie charts or something similar to put the focus on the metrics of the query would be optimal, even though we don't need to be able to move the threshold. The threshold doesn't have to be the center of attention for a visualisation like that. It can just be put where it belongs automatically, based on the other metrics, to give a better understanding of where the negatives end and the positives start.

1.2 Concrete suggestions

- Example of how the process could look like ...?:



- `https://beta.observablehq.com/@mbostock/d3-histogram`

  Histogram.

  - Insert score.probability.true values into the array ✓
  - Manually paint threshold ontop of it (?)

  - Differently color bars to account for probabilities of TP/FP and TN/FN distributions (?)1

- `https://bl.ocks.org/mbostock/4062085`

  Originally Population Pyramid

  Same approach as for the histogram, but maybe easier to color bars (multiple colors)?