Review Analysis Interview:

Subject 11

**07/16/2019 2:30pm**

# Summary

**Interviewee demographics**

*Female*

*PhD student in computer science (4th year)*

*Started working on reviews very recently (< 2 weeks)*

*No prior substantial data science experience*

*Research intern at Company 2*

# *Reports to other researchers*

**Opening Q: “walk us through a recent review analysis task”**

*Working on to improve a baseline algorithm for constructing graph representations of reviews, where*

*Nodes → Extractions of (aspect, opinion) in a review*

*Directed Edges → Causal relations between the extractions*

*Graphs are constructed per review but are intended to be aggregated eventually (to be used for summarization, explanations, and inference). This aggregation should reveal a hierarchy that uses some extractions to explain others.*

**What tools do you use for review text analysis (and languages)**

*Using a custom, browser-based application that visualizes review graphs (one by one) along with the underlying review text.*

*Python.*

**What are the bottlenecks you run into or things you spend the most time on**

*Have too little experience to tell*

**What features do you wish your tool could have? What is your work-around since you don’t have it?**

*Make it easier (possible) to bind different fields of the review extractions (a json file) to visualizations*

*Annotation/labeling and filtering based on these labels or annotations*

*Make it easier to analyze reviews or extractions that are similar to one that I’m currently exploring or focusing on*

*Similar in terms of:*

*Keywords*

*Word similarity*

*Extractions*

*(sub)graph structure*

**Do you collaborate with other analysts? How?**

*Yes, on a regular basis.*

*Manually writing down the id number of interesting cases and taking a screenshot of these cases on the custom browser app*

*Sharing them over email/messaging channels*