


# Using R to Analyze Recruiting Pipelines

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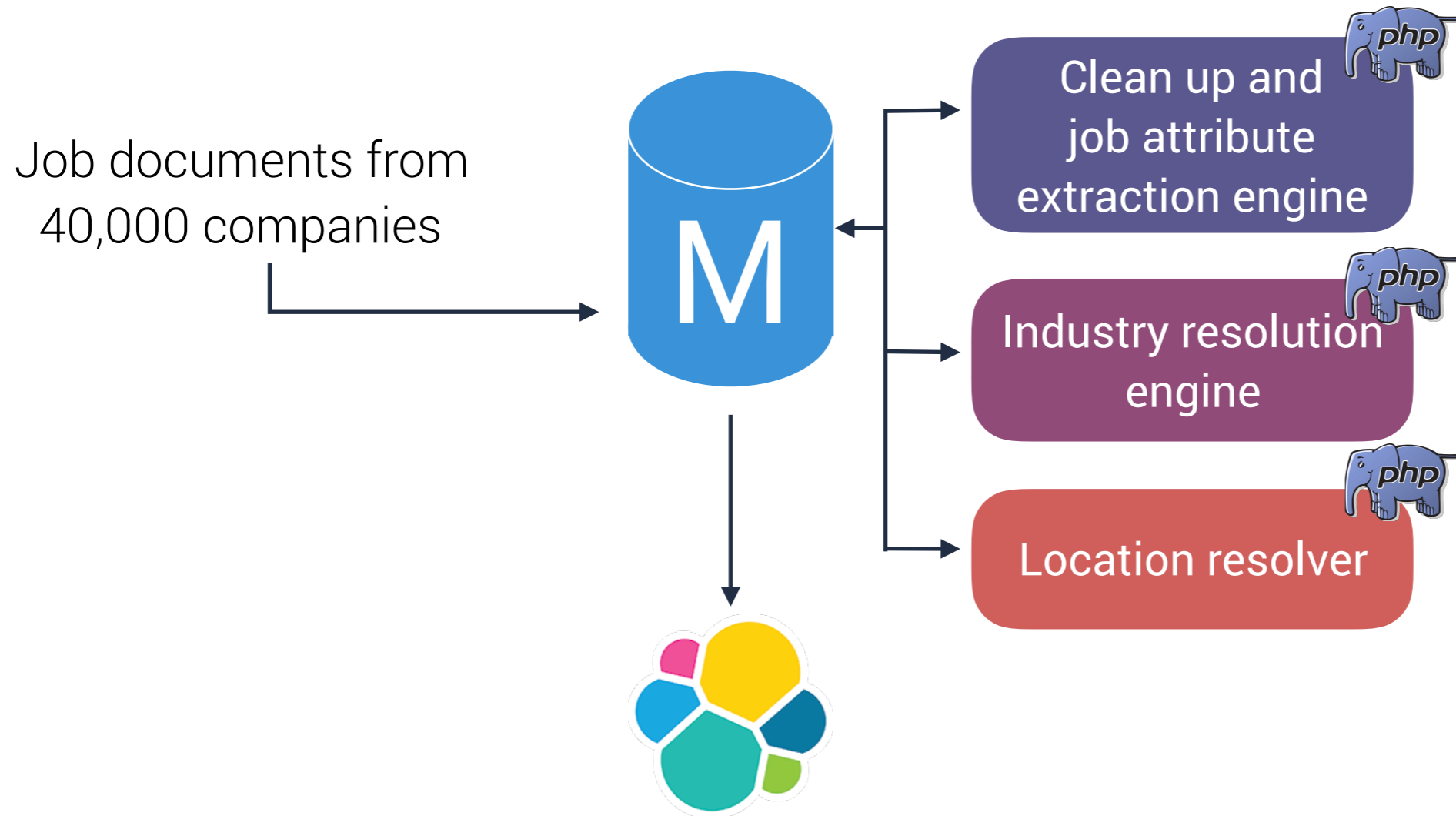
**Jenny Dearborn** @DearbornJenny

If you were to ask your CFO to make a decision, she would rely on facts, not opinions. In contrast, for years, the HR function has been asked to resolve some of the thorniest problems in the organization **without the clarity of meaningful data analytics.**

# The TapRecruit Hierarchy of Recruiting Needs

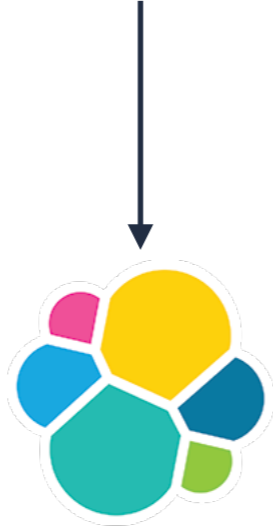


# Transforming unstructured corpuses to structured taxonomies



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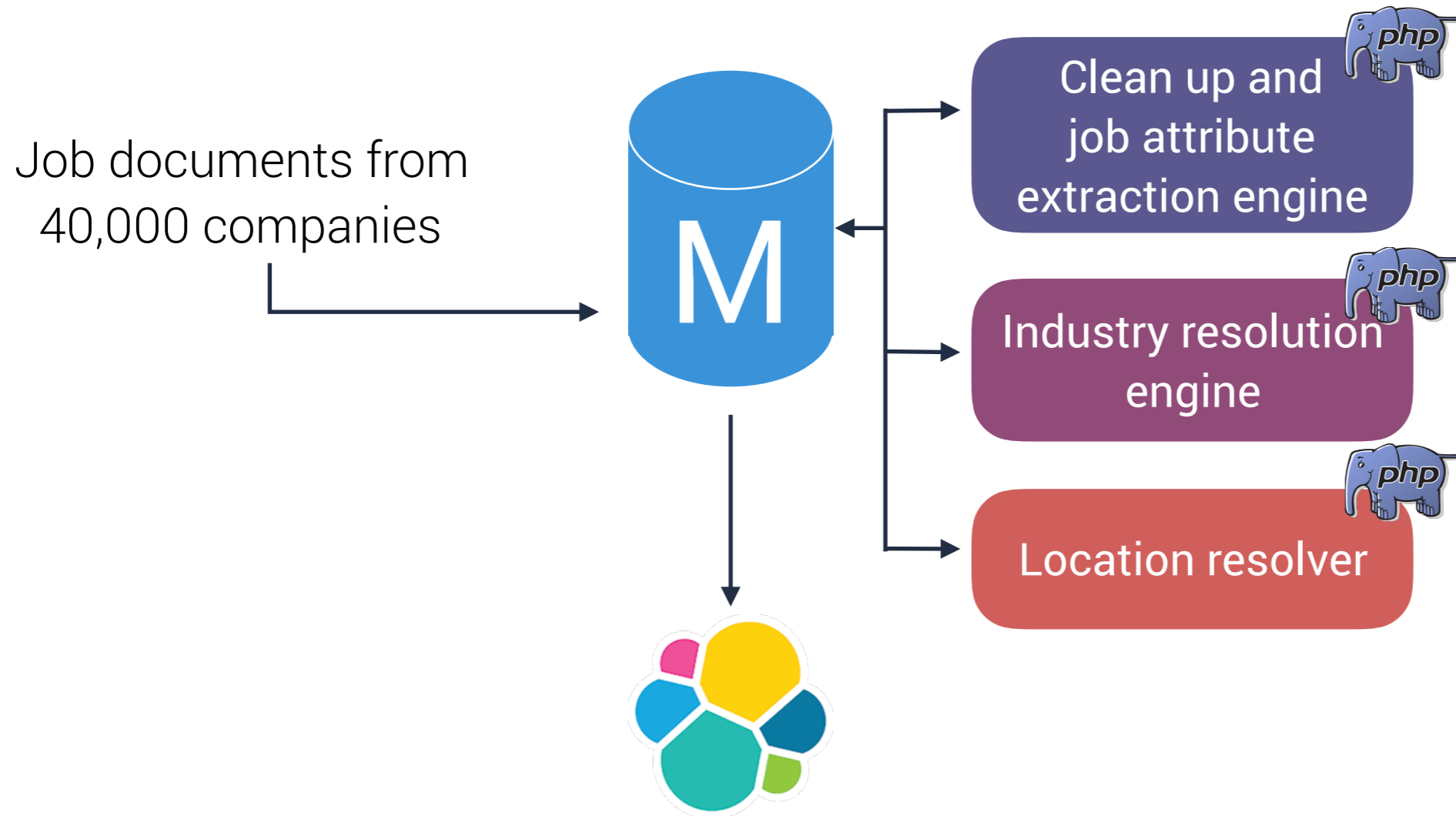
**Data Scientist**  
**Hooli.xyz - Hooli HQ**  
Hooli is looking for a data scientist to join a team passionate about Marketing Analytics for our suite of media products. You will work with internet-scale data across numerous customer touch points, developing capabilities tied to audience...



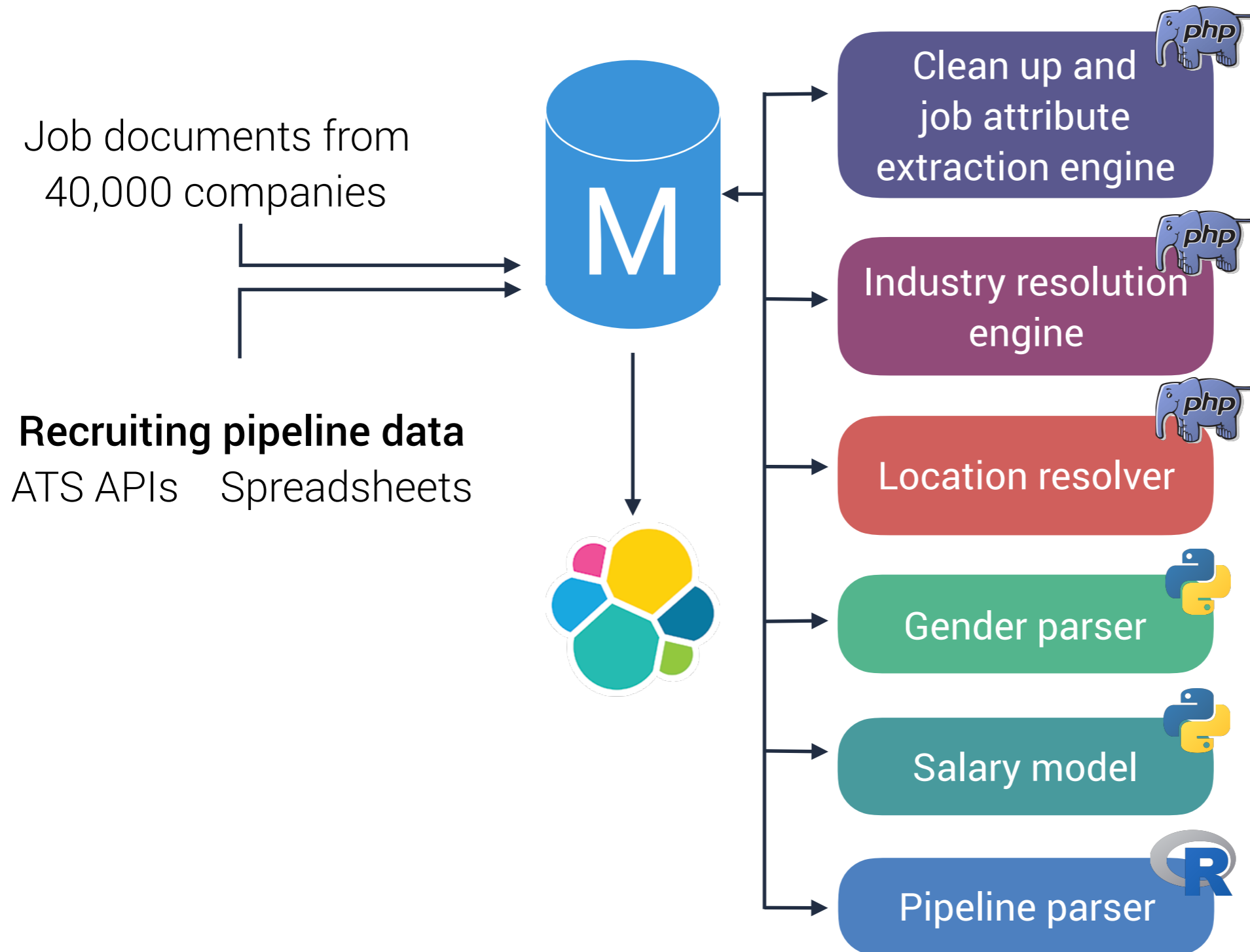
- Junior
- Programming  
Data & Analytics  
Data Visualization
- BigTech  
Media Technology  
Fortune500
- Mountainview, CA

- Python  
Hadoop  
SQL
- R  
Tableau

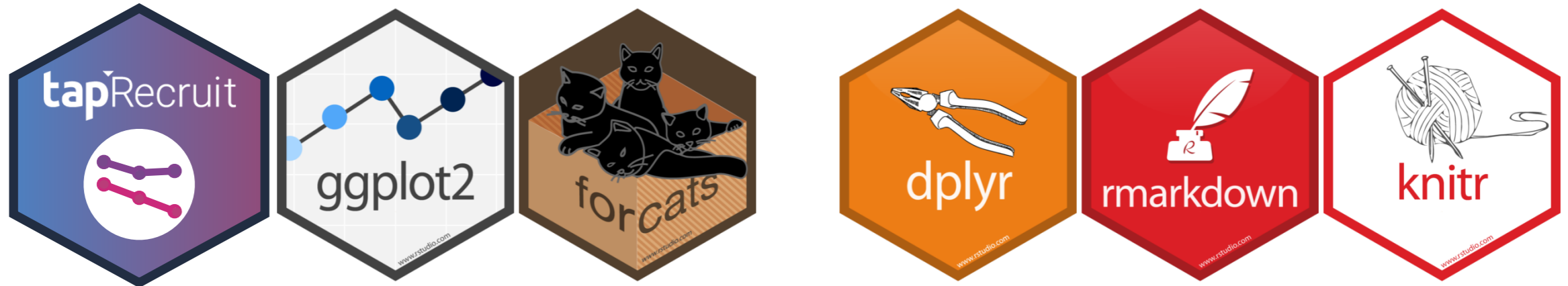
# Transforming unstructured corpuses to structured taxonomies



# Pipeline Analytics involves deep integration of multiple resolution engines



# Making Recruiting Reproducible (Again?) requires Reproducible Workflows



Data cleanup scripts  
- Integrity checking

Basic data transformation  
- Appropriate factor levels

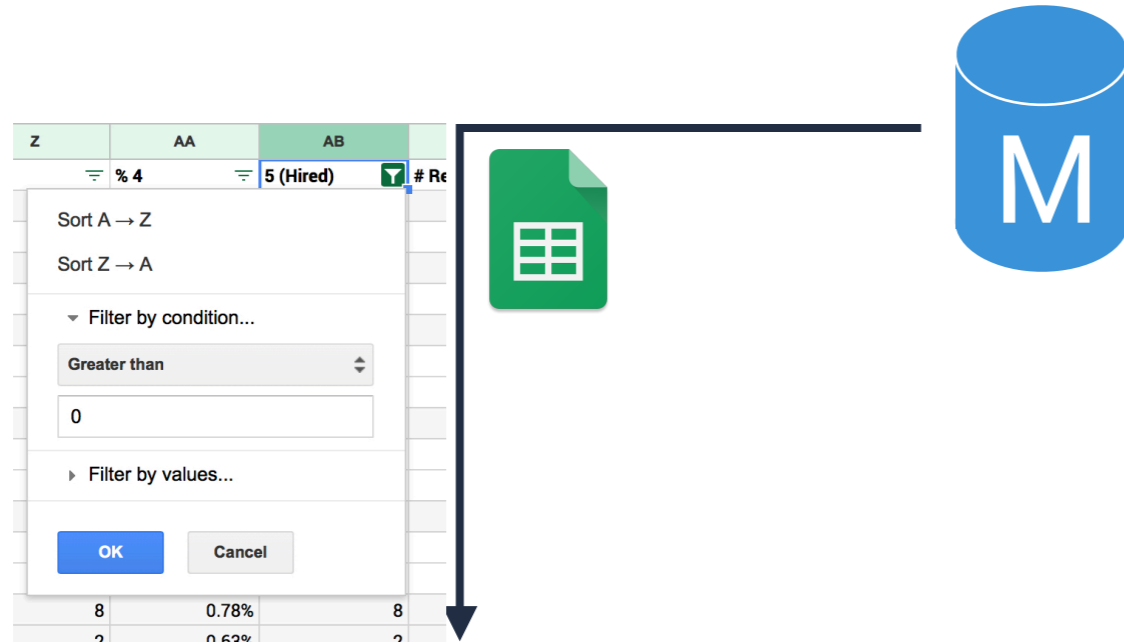
Graph templates

R Markdown notebooks  
- Visualizing distributions  
- Company-specific data transformations

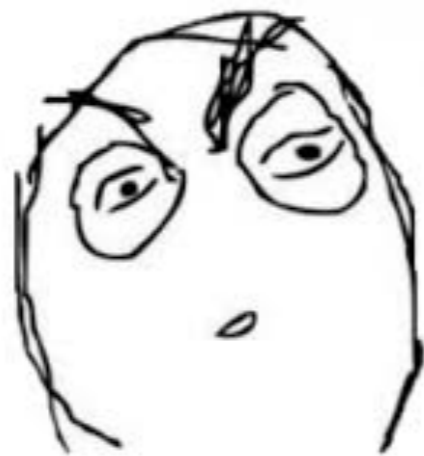
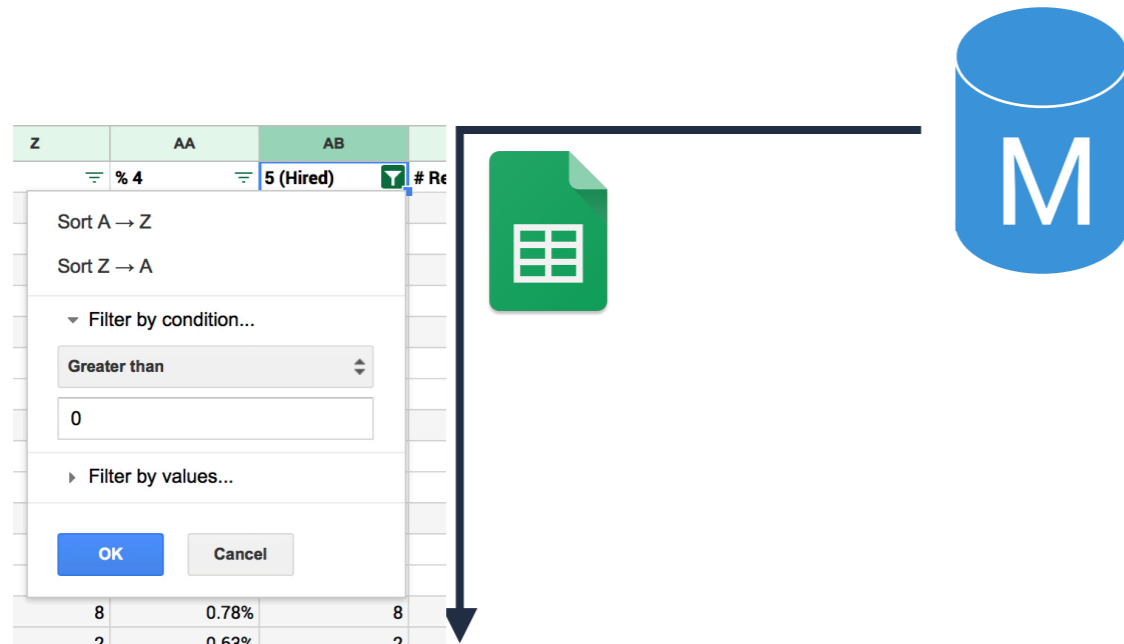
Graphs for reporting



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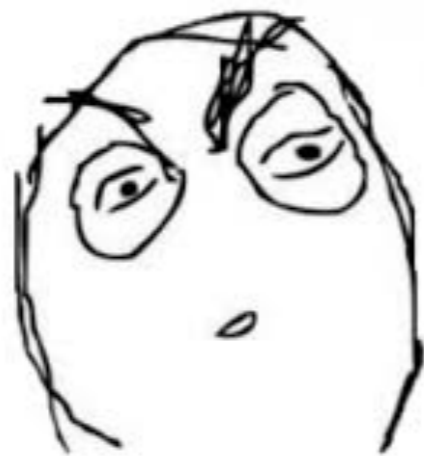
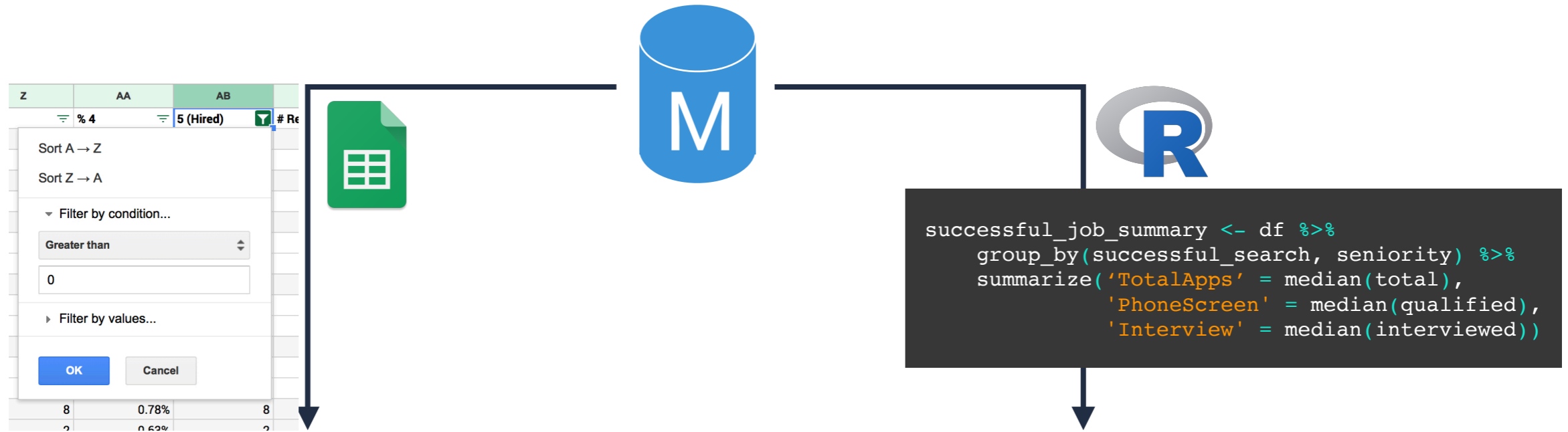


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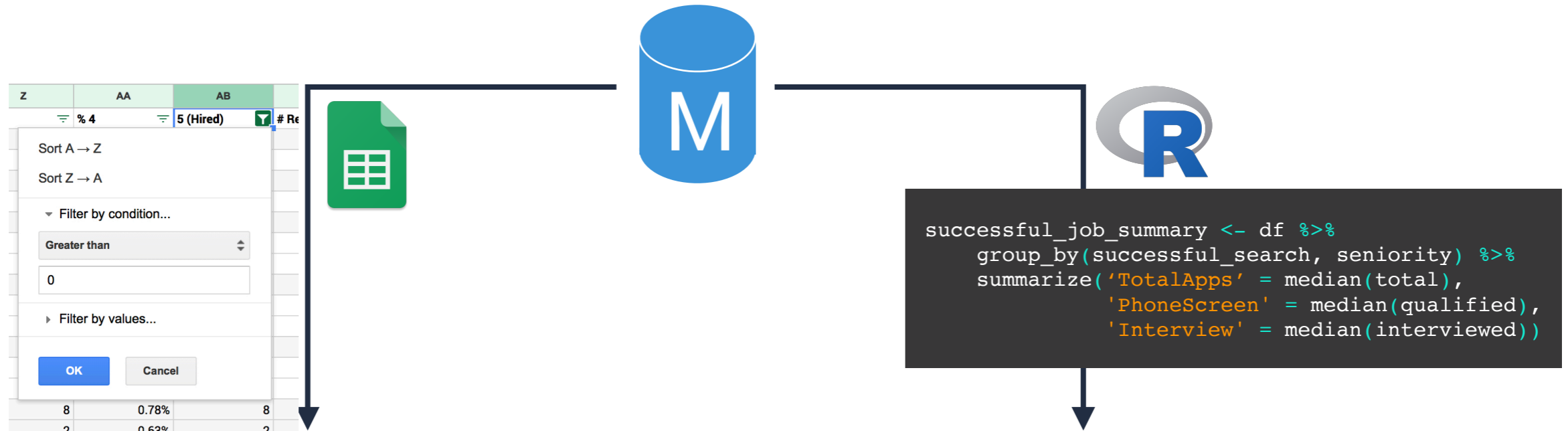
Why you no  
work?!

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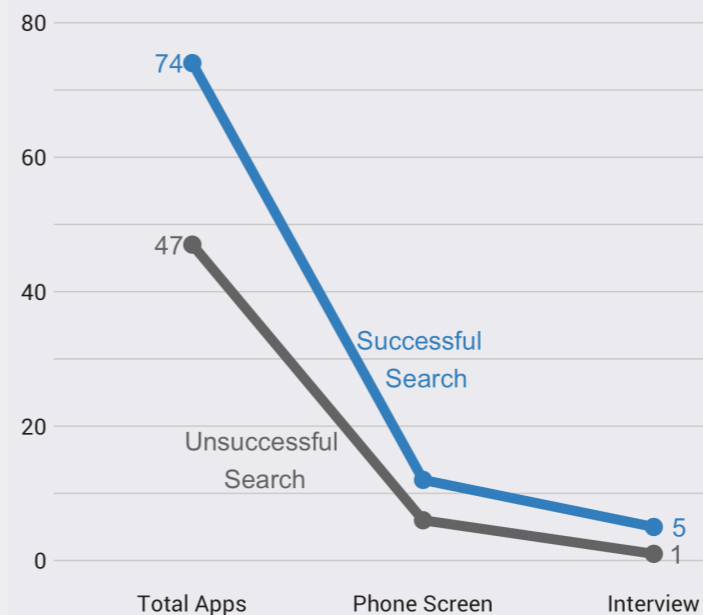
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## Applicants by Stage

Jobs that do not result in an offer start with fewer candidates at the start of the funnel.



## Female Applicants by Stage

Jobs without offers to female applicants show female representation issues throughout the funnel.

