Translating Questions

Data Analysis

- **Type 1**: What is the summary of what happened?
- **Type 2**: What happens to something as a result of something else?
- **Type 3**: How can we predict something?

Type 1: What is the summary of what happened?

- What is the most used mode of transportation for *most Americans*?
- What is the average rainfall in Seattle?
- What is the divorce rate in New York City?

Type 2: What happens to something as a result of something else?

- Does going to college increases earnings?
- What is the effect of sitting under the sun and cancer?
- Do hotter cities suffer from more crime rates?

Type 3: How can we predict something?

- How can we predict prices movements of a specific stock?
- What are the factors that determine a successful student?
- What predicts a product to receive positive reviews on Amazon?

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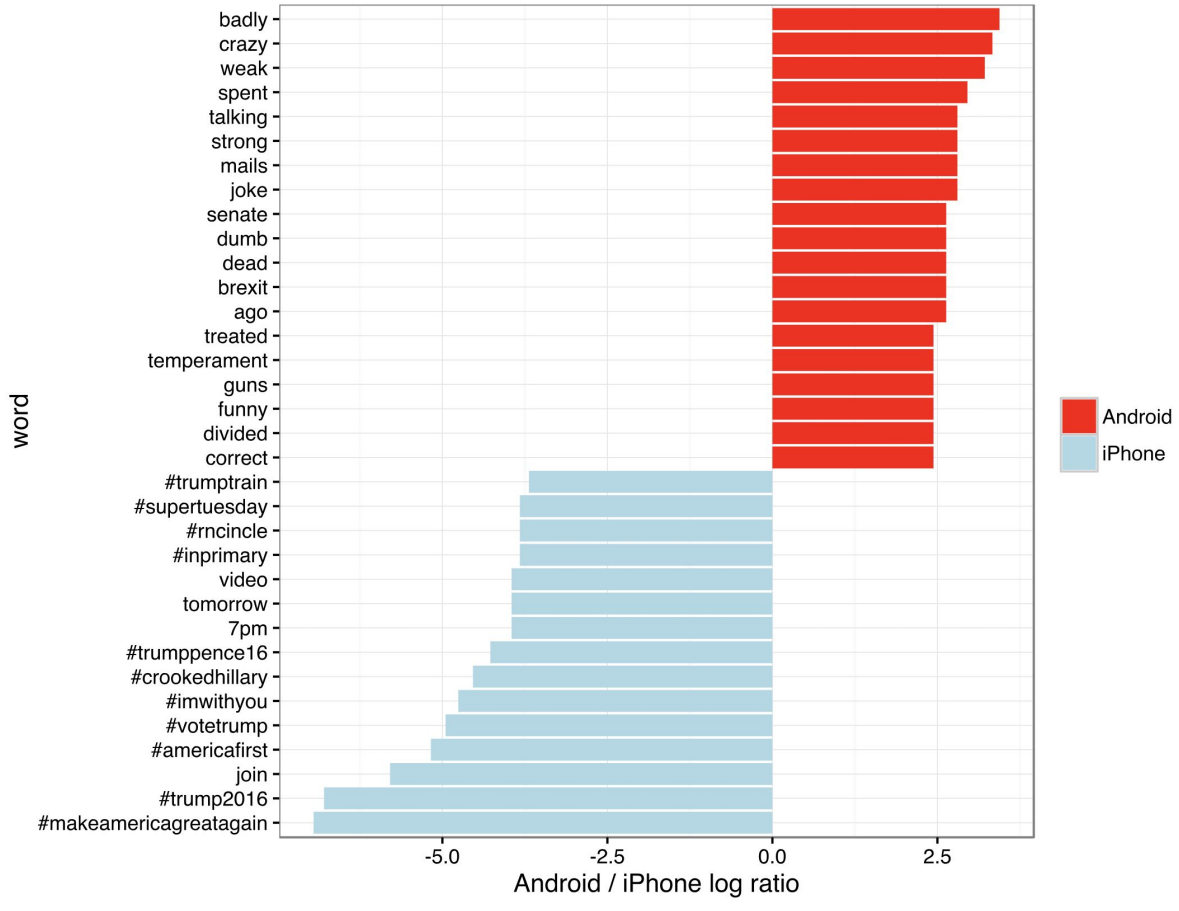
Text analysis of Trump's tweets confirms he writes only the (angrier) Android half

I don't normally post about politics (I'm not particularly savvy about polling, which is where data science has had the largest impact on politics). But this weekend I saw a hypothesis about Donald Trump's twitter account that simply begged to be investigated with data:

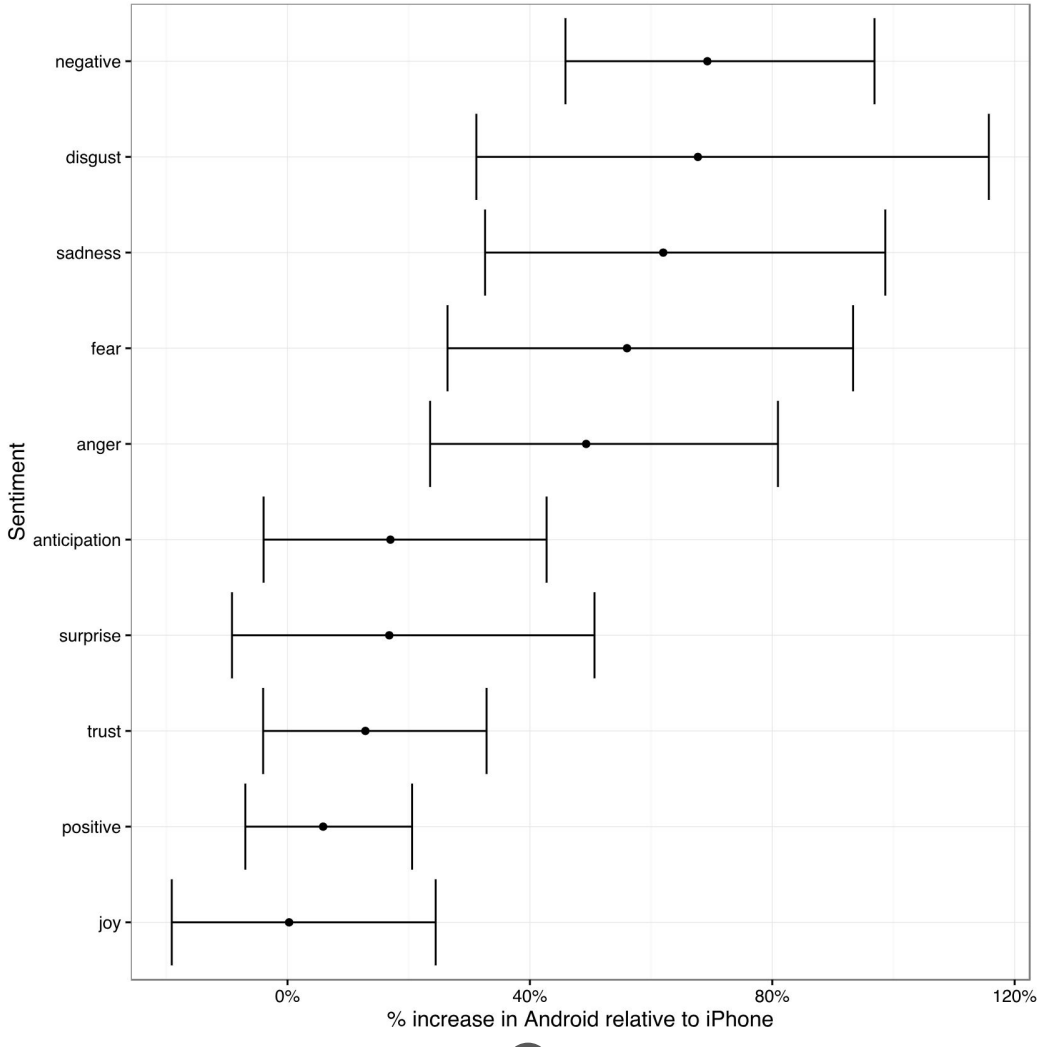
Are the Android and iPhone tweets clearly different?

Are the Android tweets angrier and more negative?

Which are the words most likely to be from Android and most likely from iPhone?



Source: http://varianceexplained.org/r/trump-tweets/



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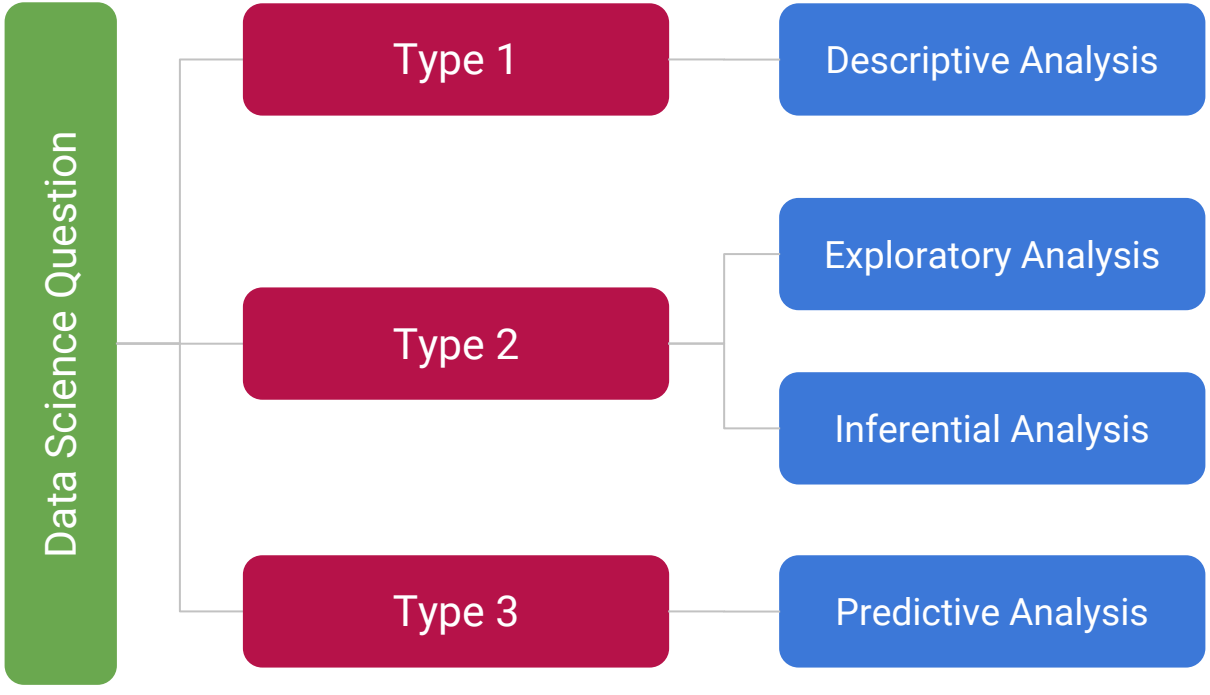
Data Science Question
Type 1
Descriptive Analysis
Type 2
Exploratory Analysis
Inferential Analysis
Type 3
Predictive Analysis