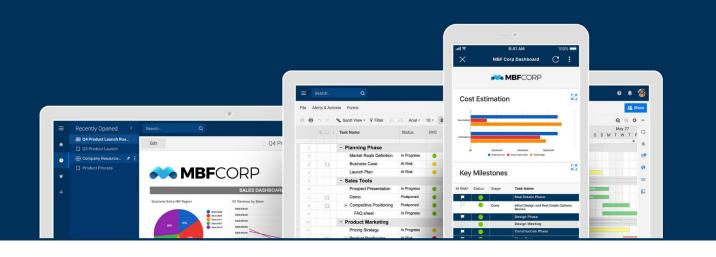
## **M** smartsheet



# Semantic Analysis

Text classification of NPS comments





Leading SaaS work execution platform

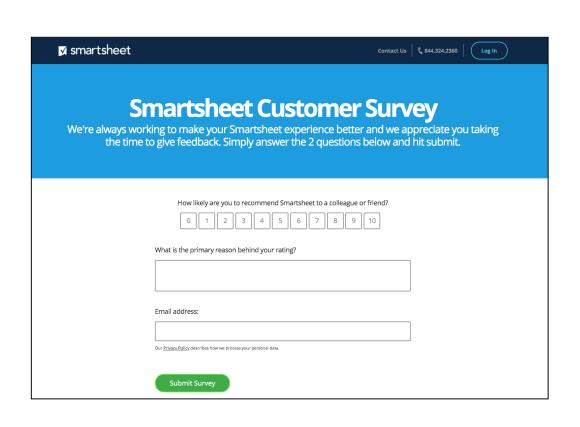


Used by more than 4 million people across 190 countries

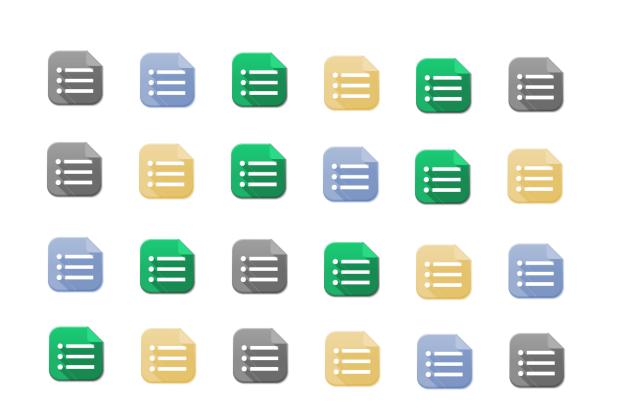


Range of tools and features

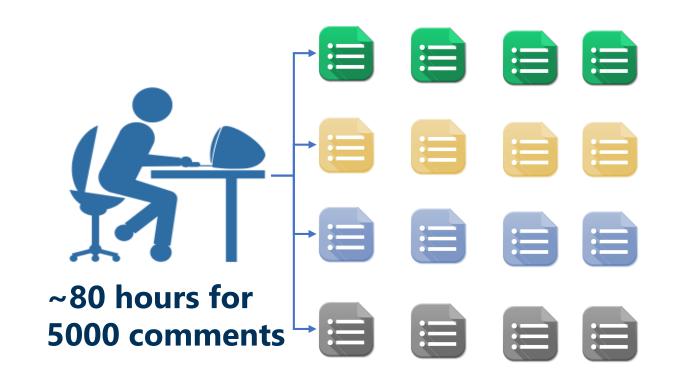
#### The Problem



Customers provide a rating and feedback related to product and services



More than 35000 customer comments



Customer Success team has to manually read, categorize and analyze each comment

#### **The Solution**



- Define business rules for categories by meeting stakeholders
- Subset of 4000 comments
- Manually categorize based on redefined business rules



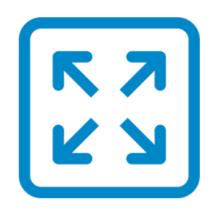


- useful information from comment
  Transform comments into numerical form for ML model building
- Build classifiers for each category using Machine Learning algorithms
- Process comments through model to tag it to all categories which apply to it

### The Results



40,000 comments now categorized in <5mins compared to 15 weeks earlier



Real-time comment classification scalable to factor new categories in future



Dashboard deriving insights from NPS comment data

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