**SentiSummary** uses sentiment analysis to analyze user product reviews for multiple products, identify and parse the positive and negative viewpoints across multiple reviews, summarize these viewpoints and display the aggregated information in a user friendly and useful manner.

**Motivation**

Too many reviews: Too little time

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**System Design**

**Input**

- Canon PowerShot SD1200IS
  - Reviews:
    - "I bought this product from eBay. It's easy to use, really easy to set, FAST, and good low light. This is a perfect camera if you just want some fun shots that are clear, and you want an easy to use fast camera. This is NOT good for "professional" type shots.
    - "Great camera for the $$. My only complaint is the battery life, however, it lasts as long as was indicated in the product description."

**Output**

- Canon PowerShot SD1200IS
  - Positives:
    - It's easy to use, really easy to set, FAST, and good low light
    - This is a perfect camera if you just want some fun shots that are clear, and you want an easy to use fast camera.
    - Great camera for the $$. My only complaint is the battery life, however, it lasts as long as was indicated in the product description.

**SentiSummary**

- XML Parsing
- Sentence Chunking
- Part-of-speech Tagging

**Pre-Processing**

- Top Word Frequencies
- Word & Sentence Polarities
- Ridge Regression Classification

**Current Examples**

- **Sony MiniDisc Network Walkman (White): Electronics**
  - Total Number of Reviews: 1
  - **Positives (Most Positive):**
    - Score: 85.86
    - It plays great
  - **Negatives (Most Negative):**
    - Score: -45.79
    - Only complaint might be that there is no way to hook it up to power via AC adapter, but when it only takes AA battery, you can just get some rechargeable batteries and you are set

- **2-Year Service Plan for Camcorders: Electronics**
  - Total Number of Reviews: 1
  - **Positives (Most Positive):**
    - Score: 64.59
    - I received an E-mail from them requesting a favorable rating to you
  - **Negatives (Most Negative):**
    - Score: -40.83
    - Tried to contact Amazon.com to complain with no success

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**Conclusion**

SentiSummary enables further research and baseline comparisons for summarization of user product reviews. Further work includes Neutral classification and increased training data.