

## Melodify

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Contributions

# Contributions

Find our Gantt Chart [here!](#)

## Proposal

Name	Contributions
Ben	Introduction/Dataset, Github Pages
Zach	Problem Defintion, PPT
Sushanth	Data Processing, Video
Jensen	Results & Discussions, Video
Henry	ML Models

## Midterm

Name	Contributions
Ben	Dataset & Model Research, Github Website

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Name	Contributions
Sushanth Malipati	Dataset Research, helped with write up
Jensen Zhang	Analyzed and wrote elbow method & silhouette scoring code (quantitative metrics), helped categorize & label data, visualization of PCA, and optimizing # of clusters
Henry Tang	Wrote PCA & visualization/plotting and data preprocessing code for K-Means portion; did analysis of visualization, metrics, and next steps
Zachary Weissman	Helped with write up and analysis

## Final

Name	Contributions
Ben	Wrote code for Random Forest model, analyzed results for RF model, prepared presentation

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Name	Contributions
	and recorded RF segment
Sushanth Malipati	Wrote code for KNN model and analyzed results. Created and recorded presentation regarding KNN
Jensen Zhang	Helped analyzed Random Forest results and add information to pages. Created and recorded presentation regarding K-means.
Henry Tang	Helped analyzed KNN results and add information to pages. Created and recorded presentation regarding K-means.
Zachary Weissman	Wrote additional code to optimize KNN model and analyzed results. Created and recorded presentation regarding KNN.