

Milestone 3

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Division of Work:

Reading Documentation/Leading Discussion:	Swana
Data Collection:	Arif and Ryan
Peer Programming:	All

Speech Detection:

We decided to split up each second into multiple overlapping windows. Each window has a size of 25 ms and starts half way through (12.5 ms) the previous window, if one exists. Ideally this means that the results will be more precise, as instead of comparing isolated “chunks”, any given piece of data is compared twice.

Classifier Used:

J48 -C 0.25 -M 2

Detailed Accuracy By Class:

	<i>TP Rate</i>	<i>FP Rate</i>	<i>Precision</i>	<i>Recall</i>	<i>F-Measure</i>	<i>ROC Area</i>	<i>Class</i>
	<i>0.747</i>	<i>0.072</i>	<i>0.778</i>	<i>0.747</i>	<i>0.762</i>	<i>0.881</i>	<i>true</i>
	<i>0.928</i>	<i>0.253</i>	<i>0.916</i>	<i>0.928</i>	<i>0.922</i>	<i>0.881</i>	<i>false</i>
<i>Weighted Avg.</i>	<i>0.882</i>	<i>0.207</i>	<i>0.881</i>	<i>0.882</i>	<i>0.881</i>	<i>0.881</i>	