

# Comparison: MatLab and Python script

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11/09/2020

## Summary

The speech on and offsets extracted by the matlab and the python scripts are similar but not identical. The differences are distributed symmatrically around 0 with very few extreme outliers.

## Comparison

Number wav files:

```
## [1] 4224
```

Onset latency (matlab script):

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	270	984	1336	1490	1828	10680

Onset latency (python script):

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	280	1000	1340	1501	1850	10670

Offset (matlab script):

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1165	2551	3264	3931	4479	14970

Offset (python script):

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1115	2550	3270	3942	4470	14960

The difference between the voice onset latencies and voice offsets extracted by the MatLab script and extracted by the Python script is shown in Figure 1.

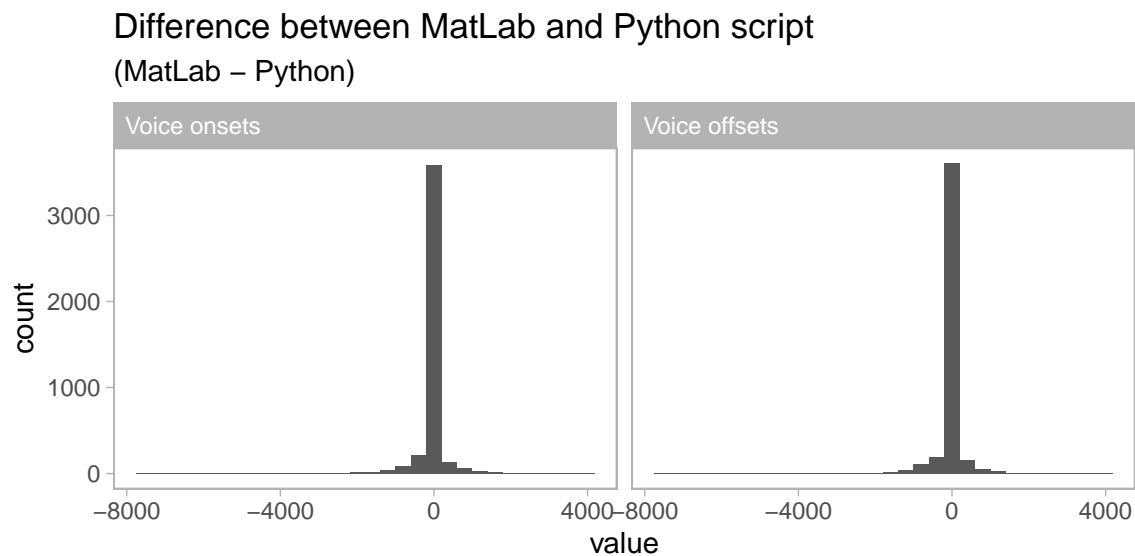


Figure 1: Histograms of the difference in speech on and offsets.