



# ‘To Analyze or Not to Analyze’

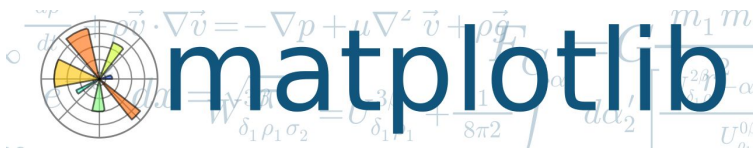
NLP on Theatrical Works from [MonologueArchive.com](http://MonologueArchive.com)

# **Client: “Maka U Famuz” Talent Management**

## **What kinds of monologues are out there for auditions?**

- Can we find general categories?
- If an actor gives us a favorite, can we identify similar scripts?

# The Tools



## MONOLOGUE INDEX



**Comic Monologues**  
for Men

**Dramatic Monologues**  
for Men

**Classical Monologues**  
for Men

**Monologues**  
for Seniors

**Comic Monologues**  
for Women

**Dramatic Monologues**  
for Women

**Classical Monologues**  
for Women

**Monologues**  
for Children

# The Monologue Archive

- 465 Monologues
- Male, Female, Children, Seniors
- Dramatic, Comedic, Classical, Modern

## MONOLOGUE INDEX



Comic Monologues  
for Men

Dramatic Monologues  
for Men

Classical Monologues  
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Monologues  
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Comic Monologues  
for Women

Dramatic Monologues  
for Women

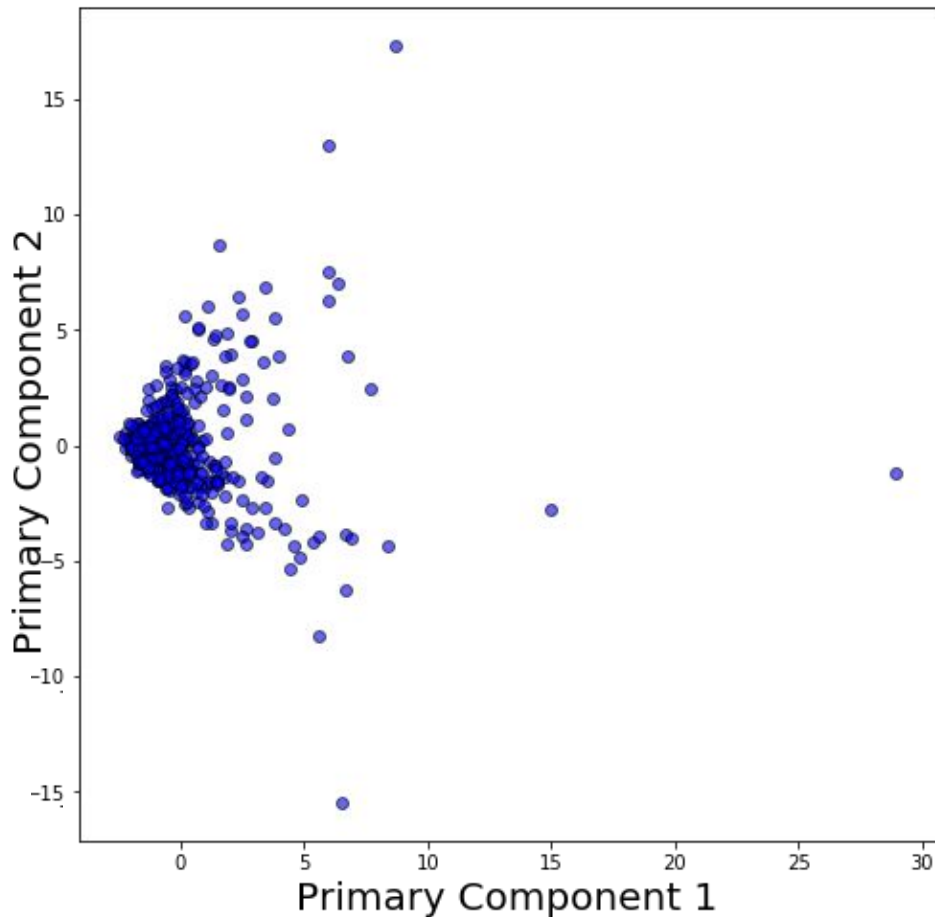
Classical Monologues  
for Women

Monologues  
for Children

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- 465 Monologues
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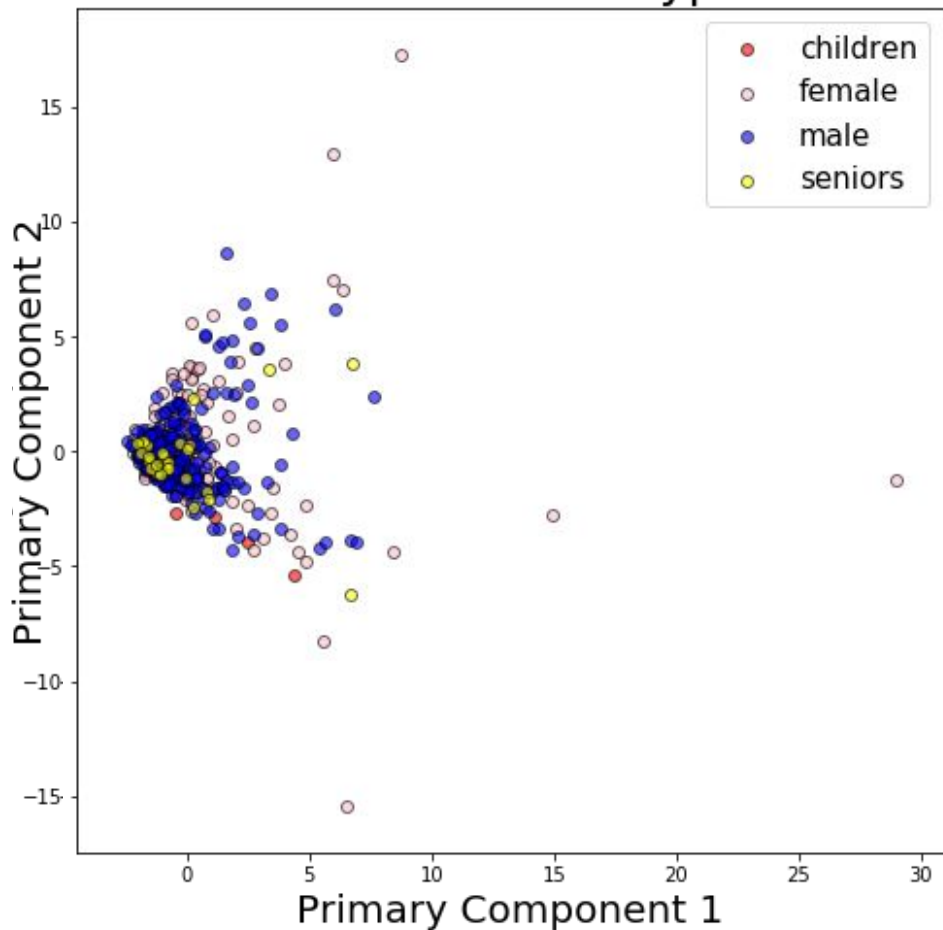
2D PCA



## PCA - 2D

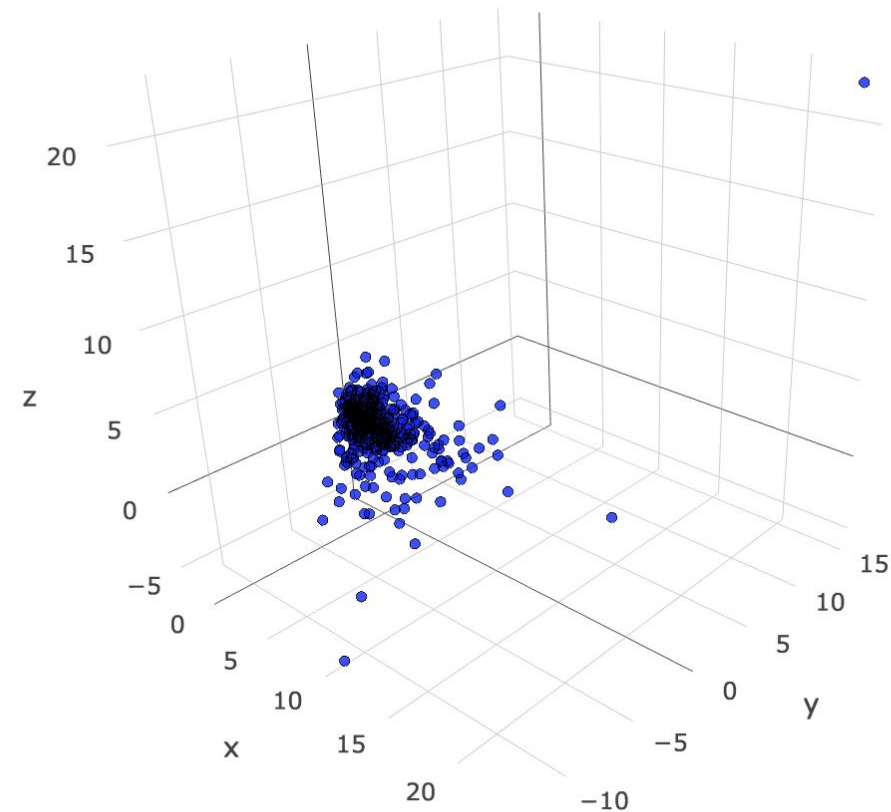
- One big clump
- A few outliers
- Only 4% variance captured

## 2D PCA: Actor Type



## PCA - Actor Type

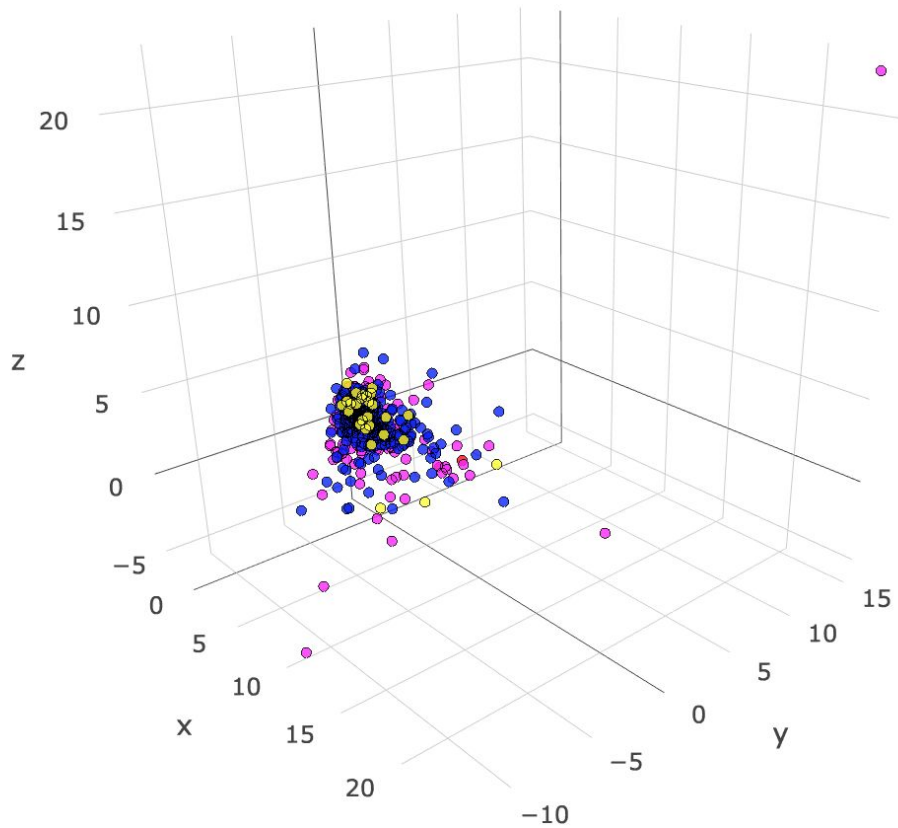
- Women's scripts vary the most
- Seniors' tend to be vary the least



## PCA - 3D

- No better than 2D
- Only ~9% of variance captured

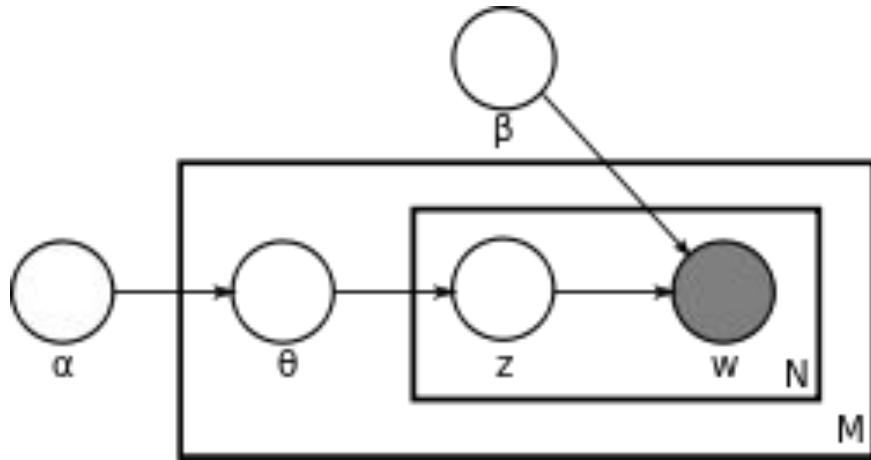




## PCA - 3D

- children
- female
- male
- seniors

# Latent Dirichlet Allocation

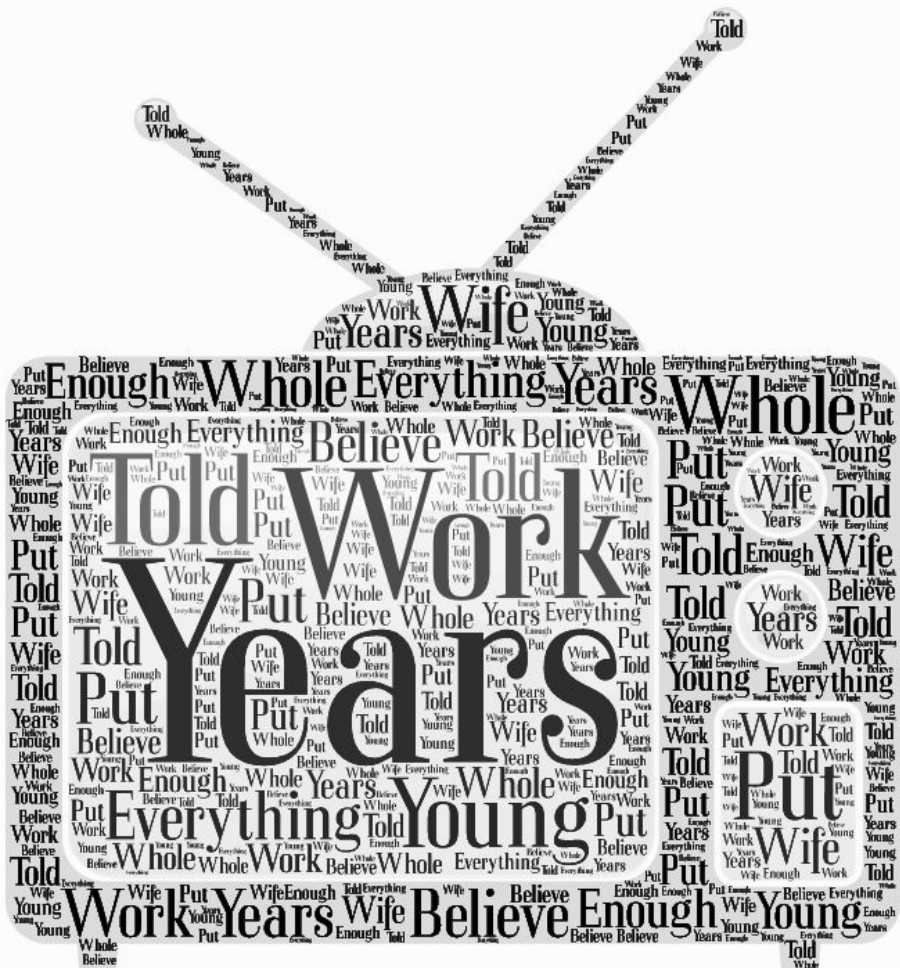


- Custom stopwords
- Very noisy data
- Unsuccessful on subsets (modern, classical, female, etc.)



# Latent Dirichlet Allocation

- Topic 1: Epic



# Latent Dirichlet Allocation

- Topic 2: Mundane

# Actionable Insights?

What does this data tell us?

- Monologues tend to fall into two very broad categories
  - Beyond that, they are very noisy
  - **A very large corpus of text would help differentiate**
-

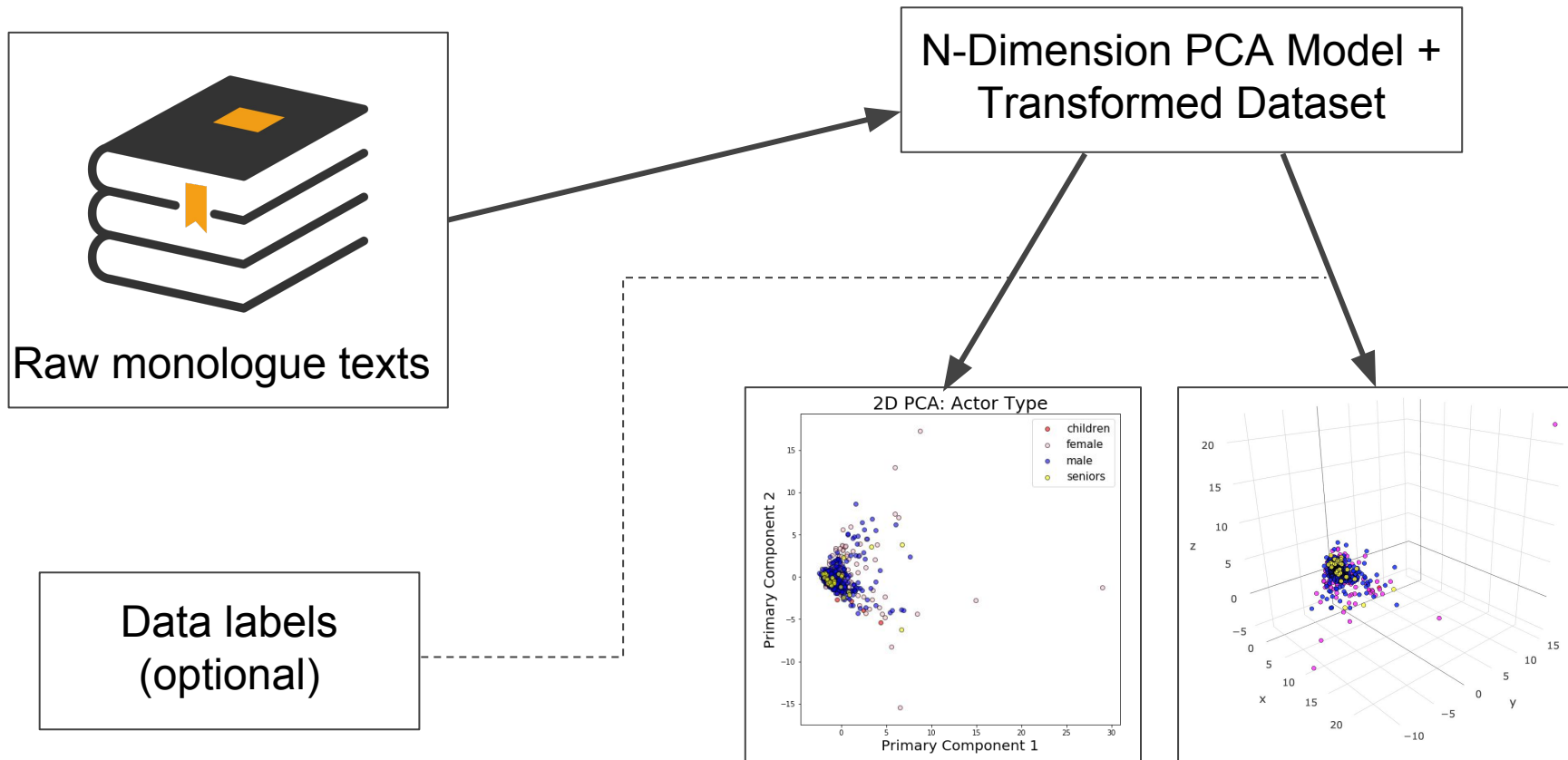
# Going Forward...

Further exploration

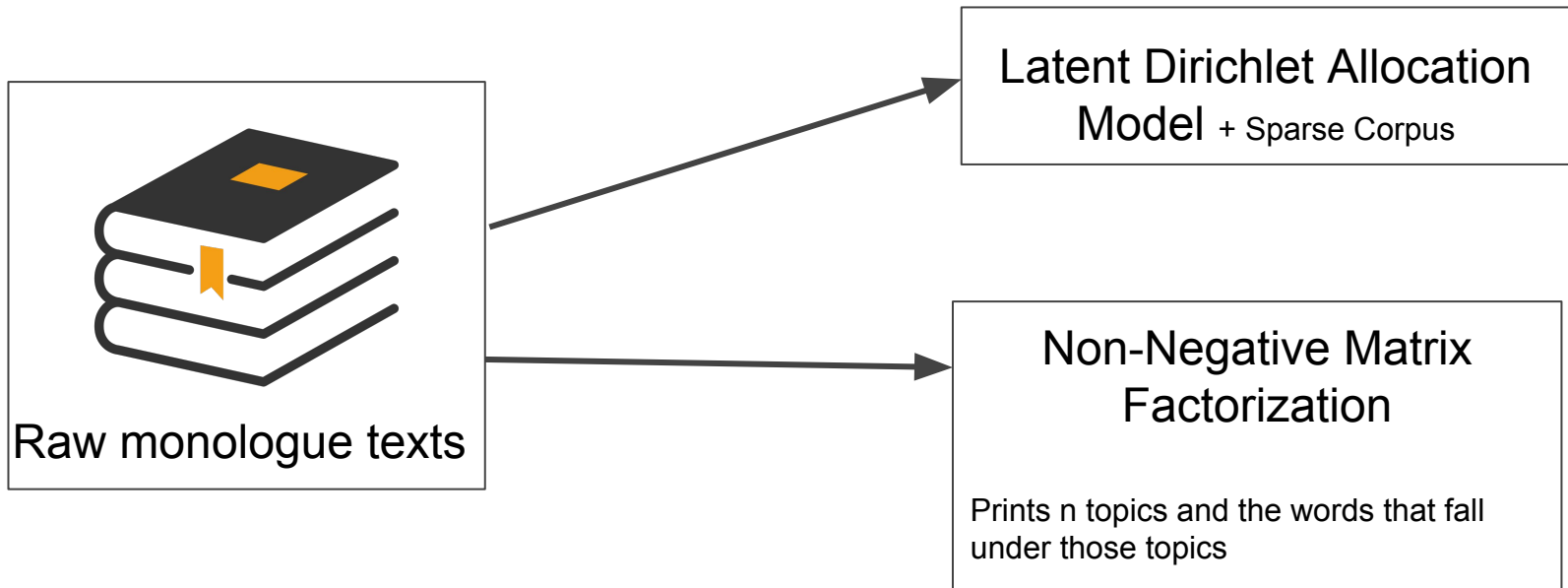
- **MORE MONOLOGUES!**
  - More granular topics
  - Script recommender
- Tools created for analysis of future works!

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# Tools created for “Maka U Famuz”



# Tools created for “Maka U Famuz”





# Appendix

Examples & Additional Material

# “Mundane” Example

## THE PROFESSION

A monologue from the play by Walter Wykes

NOTE: This monologue is reprinted with the author's permission. All inquiries should be directed to the author at: [sandmaster@aol.com](mailto:sandmaster@aol.com)

EUGENE: Hey! Don't touch that! That's my orange! MINE!!!

*[EUGENE wrenches his orange away from the VAGRANT.]*

Sorry. I'm sorry. I ... I don't mean to be stingy. I'm sure you're very hungry, but I can't allow you to eat this orange. It's just that ... well, it's ... it's the key to everything! I know that doesn't seem to make much sense. I don't understand it quite yet myself. But one has to have faith, you know, that ... well, that everything will come clear in the end.

*[Pause.]*

# “Epic” Example

## MEDEA

A monologue from the play by Euripides

NOTE: This monologue is reprinted from *The Plays of Euripides in English*, vol. ii. Trans. Shelley Dean Milman. London: J.M. Dent & Sons, 1922.

MEDEA: O my sons!  
My sons! ye have a city and a house  
Where, leaving hapless me behind, without  
A mother ye for ever shall reside.  
But I to other realms an exile go,  
Ere any help from you I could derive,  
Or see you blest; the hymeneal pomp,  
The bride, the genial couch, for you adorn,  
And in these hands the kindled torch sustain.  
How wretched am I through my own perverseness!  
You, O my sons, I then in vain have nurtured,  
In vain have toiled, and, wasted with fatigue,

# “Mixed” Example

## AS YOU LIKE IT

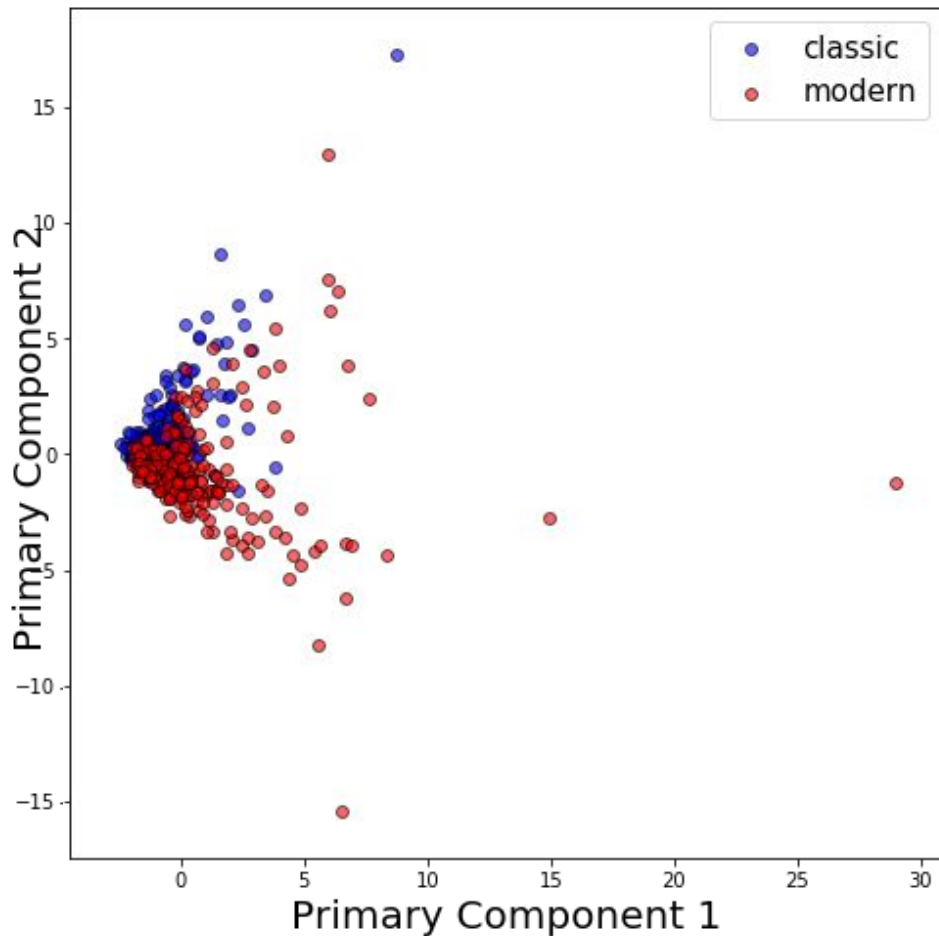
A monologue from the play by William Shakespeare

PHEBE: Think not I love him, though I ask for him;  
'Tis but a peevish boy; yet he talks well.  
But what care I for words? Yet words do well  
When he that speaks them pleases those that hear.  
It is a pretty youth; not very pretty;  
But sure he's proud; and yet his pride becomes him.  
He'll make a proper man. The best thing in him  
Is his complexion; and faster than his tongue  
Did make offense, his eye did heal it up.  
He is not very tall; yet for his year's he's tall.  
His leg is but so so; and yet 'tis well.  
There was a pretty redness in his lip,  
A little riper and more lusty red  
Than that mixed in his cheek; 'twas just the difference  
Betwixt the constant red and mingled damask

50.8% epic

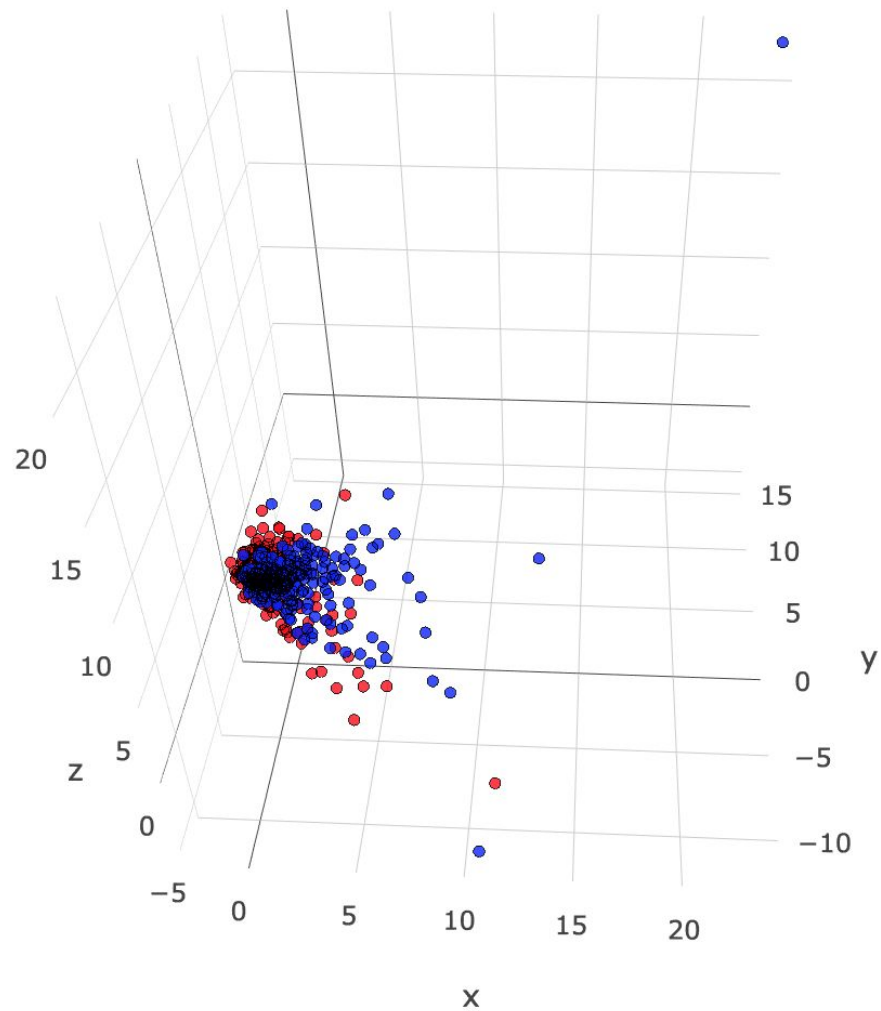
49.2% mundane

## 2D PCA: Classical vs. Modern



## PCA - Classical versus Modern

- Still mostly overlapping



## PCA - 3D

● classic  
● modern