

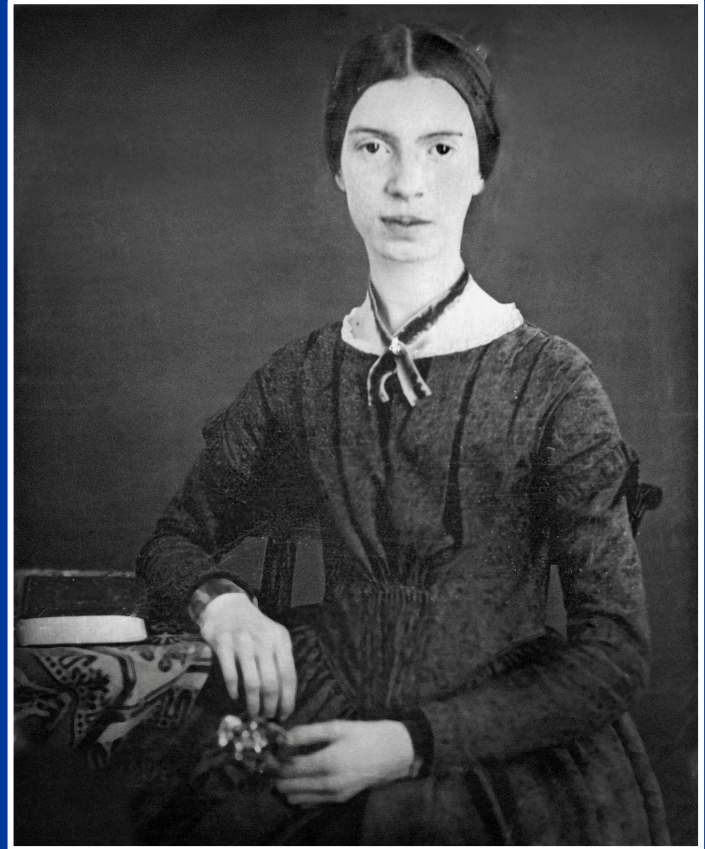
# Emily Dickinson NLP

...

Alexander Sigrist

# Background

- Who was she?
- What did she do?
- Why are we analyzing this?



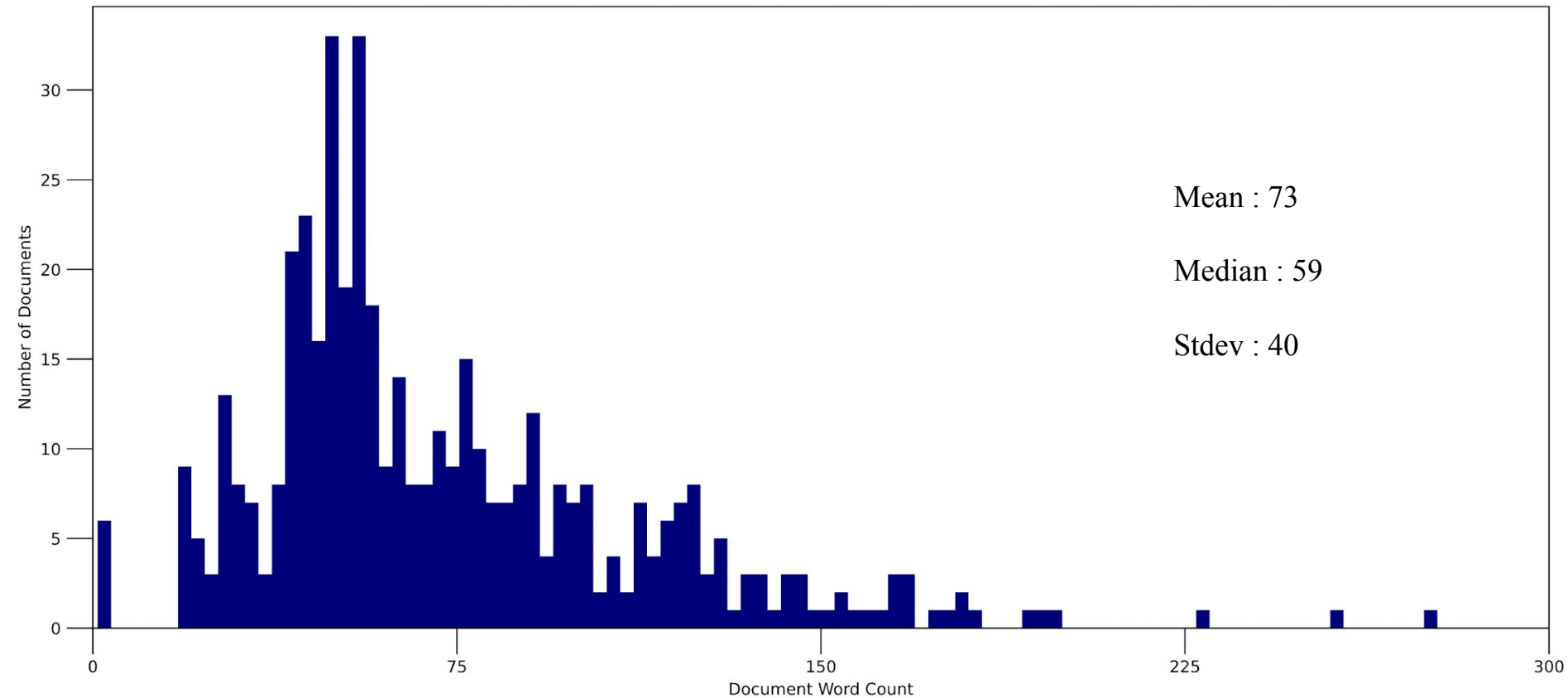
# Data

1890 Publication of Emily  
Dickinson's Poetry \*

\* Via Project Gutenberg

- 450~ Poems
  - Organized into themes
  - Heavily Edited
-

# Distribution of Document Word Counts





will upon life  
never day time know  
away eye  
summer  
night  
tell little yet  
Till bee heaven  
sun

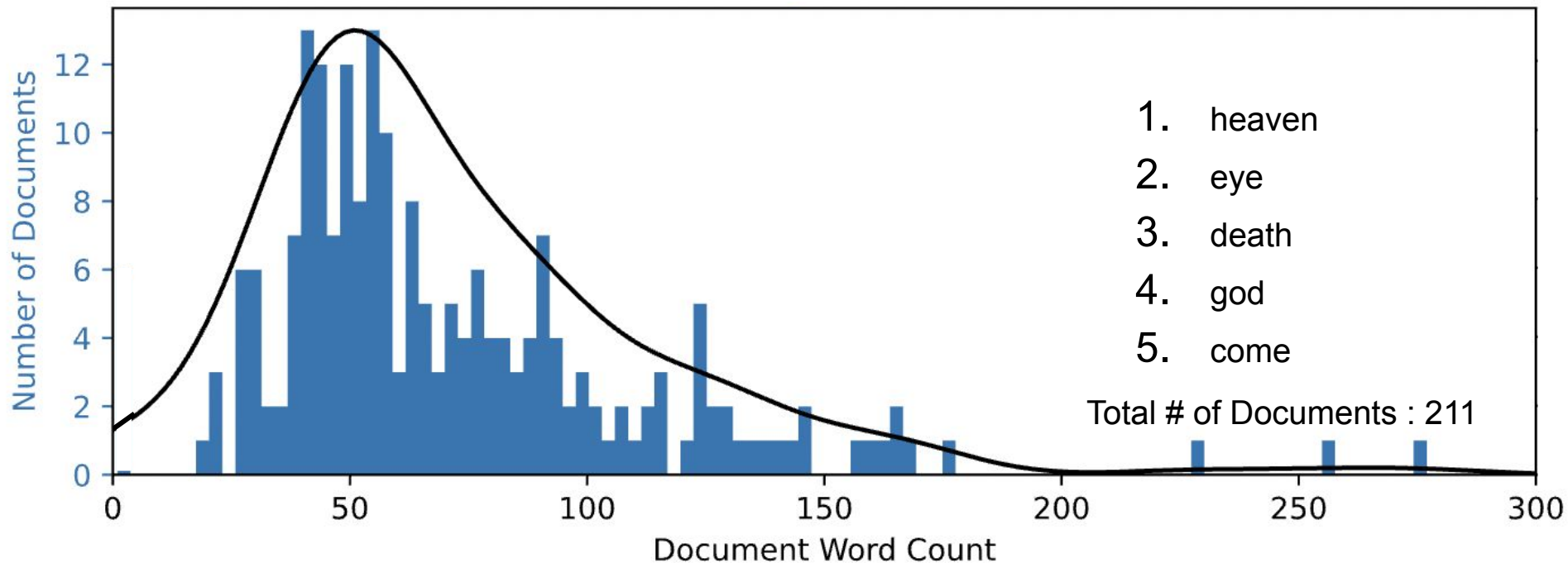
# Topics

NMF topic modeling

- Spirituality
- Love
- Communication
- Nature
- Time/Eternity

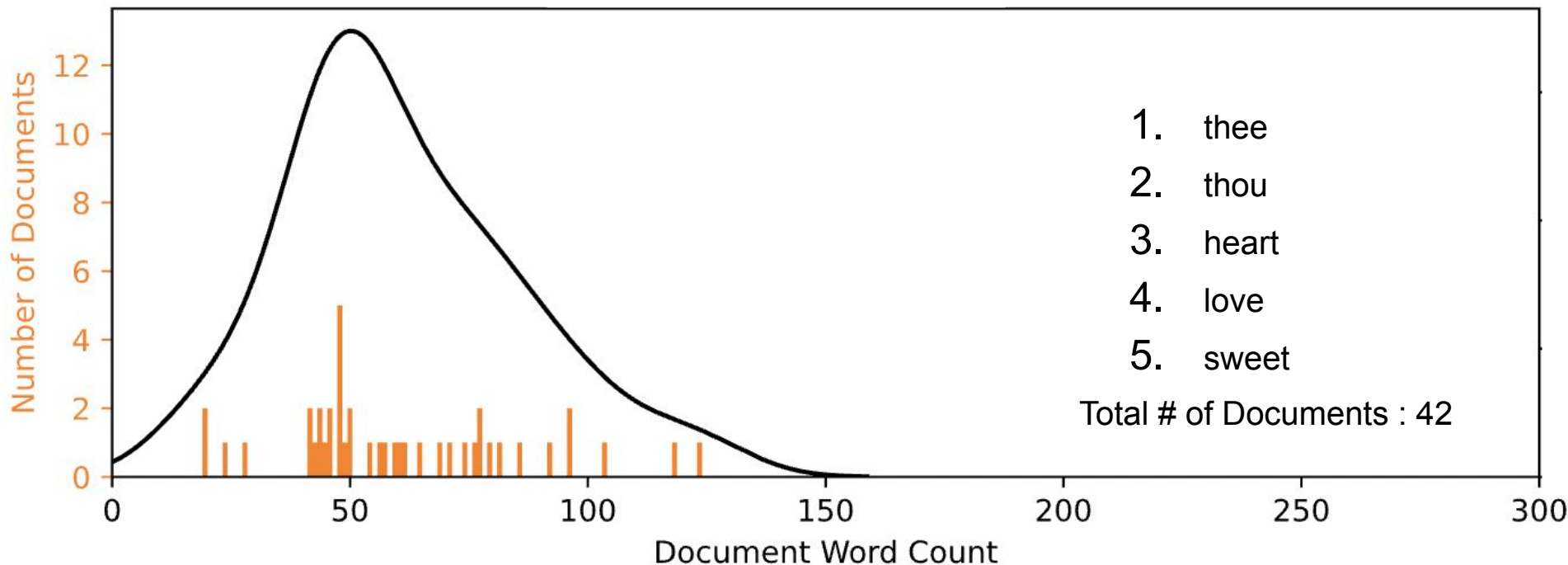
## Distribution of Document Word Counts by Dominant Topic

# Spirituality



## Distribution of Document Word Counts by Dominant Topic

### Love





IT's such a little thing to weep,

So short a thing to sigh;

And yet by trades the size of these

We men and women die!

LOVE is anterior to life,

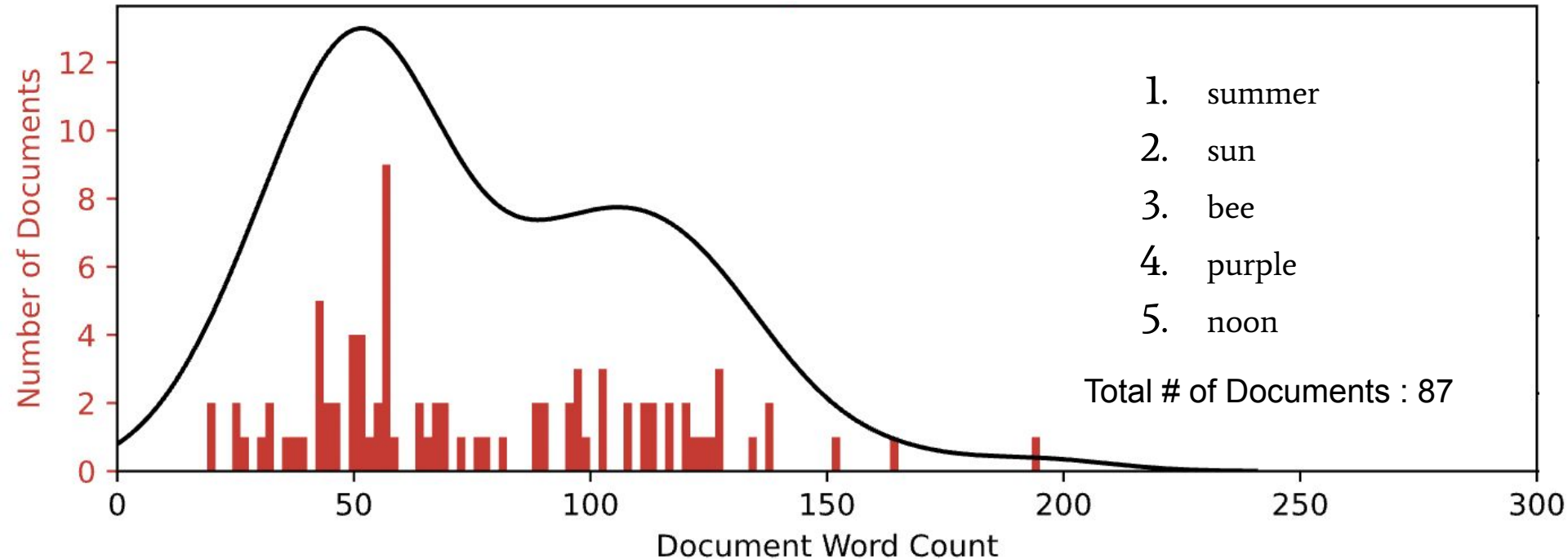
Posterior to death,

Initial of creation, and

The exponent of breath.

## Distribution of Document Word Counts by Dominant Topic

### Nature



A SEPAL, petal, and a thorn

Upon a common summer's morn,

A flash of dew, a bee or two,

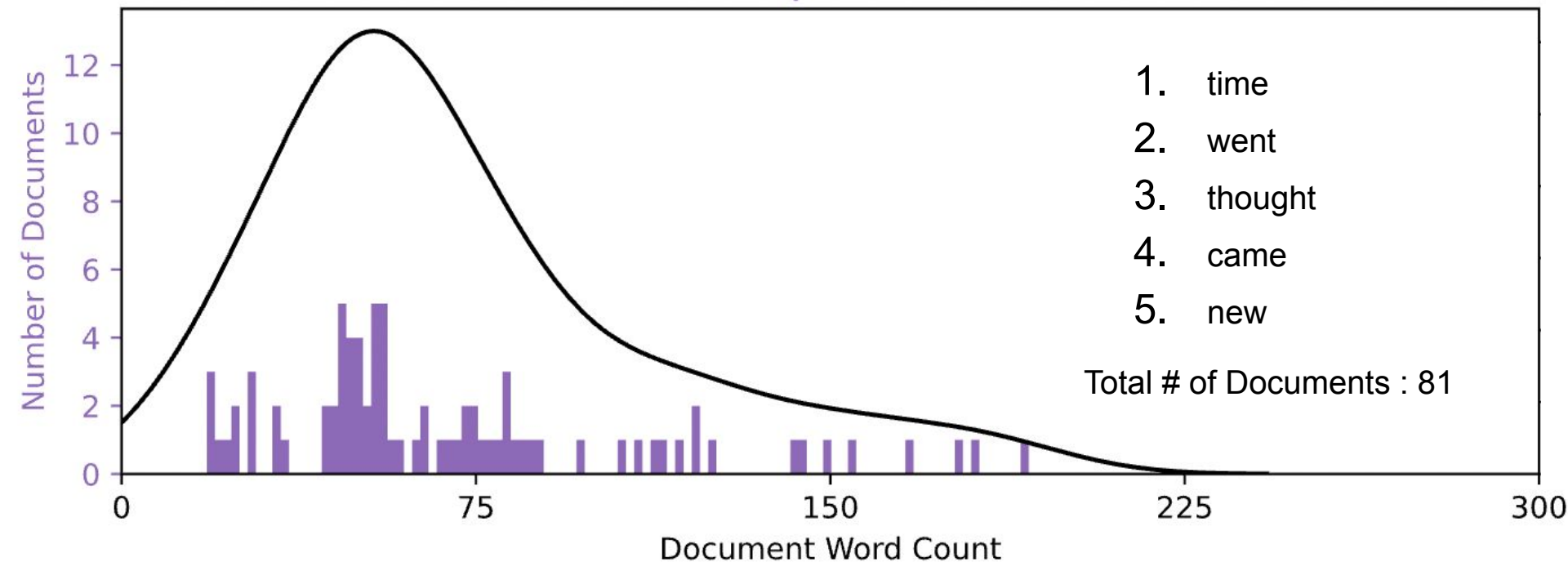
A breeze

A caper in the trees, --

And I'm a rose!

## Distribution of Document Word Counts by Dominant Topic

### Time



THEY say that 'time assuages,' --

Time never did assuage;

An actual suffering strengthens,

As sinews do, with age.

Time is a test of trouble,

But not a remedy.

If such it prove, it prove too

There was no malady.

# Next Steps

- More Data
- Test Model
- Re-Model Topics



# Questions?



## Distribution of Document Word Counts by Dominant Topic

# Communication

