

# Complexity



# Intro

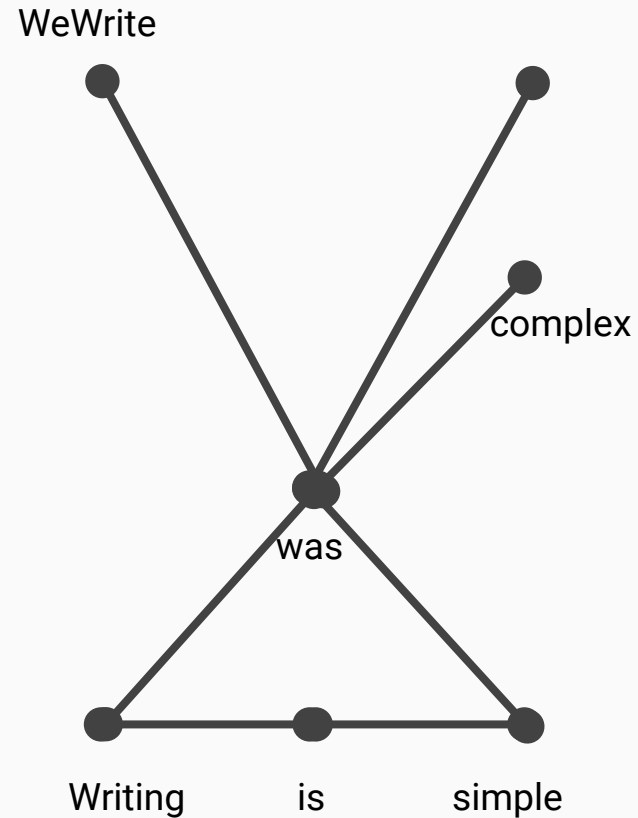
1. How did we construct a version graph?
2. What is complexity?
3. How did we measure complexity?

4 - WeWrite was complicated

3 - Writing was complex

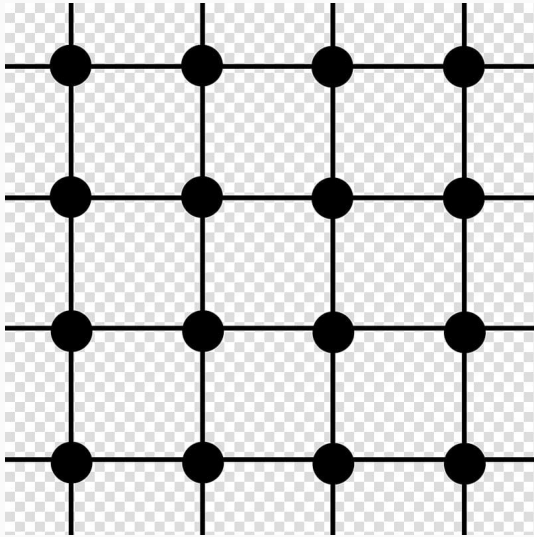
2 - Writing was simple

1 - Writing is simple

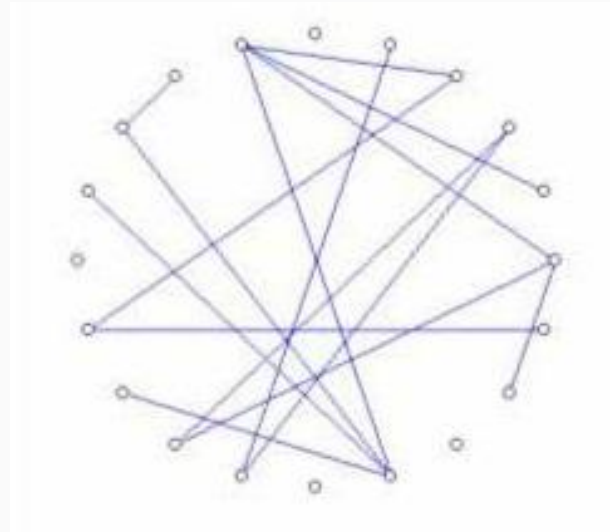


# What is complexity?

*A network theory perspective*



Regular lattice

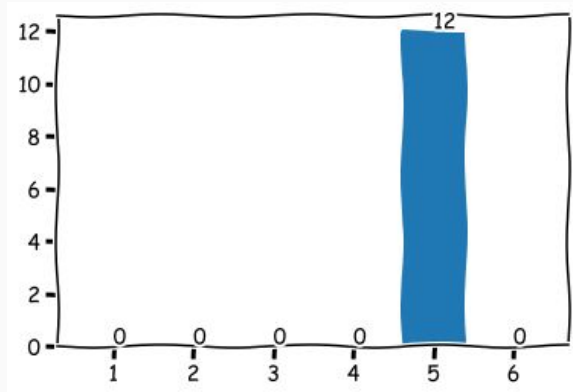


Random graph

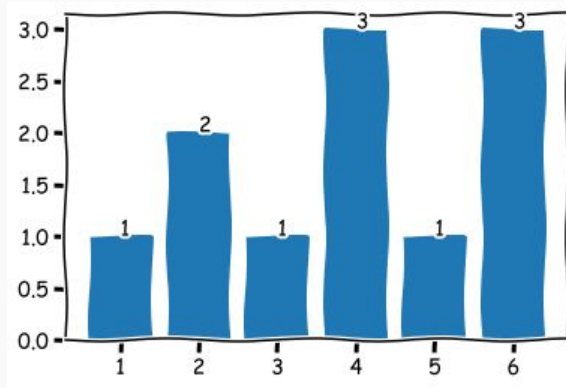
# Properties we want it to have

1. Is 0 if we only ever edit 1 sentence
2. Is large if we edit things randomly
3. Is not something we pulled out of a hat!

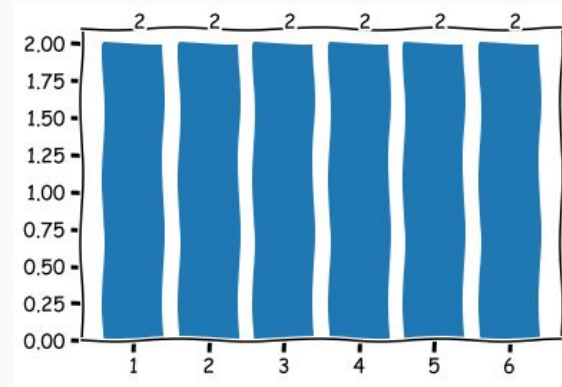
# Entropy



Entropy = 0

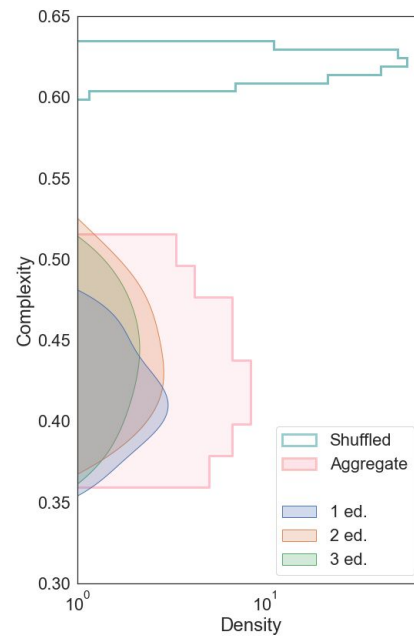
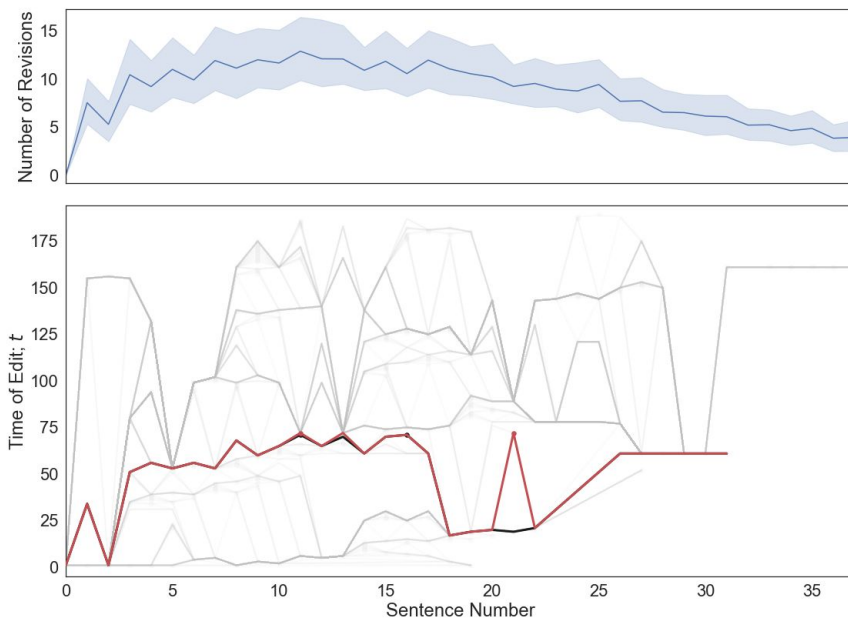


Entropy = 1.672



Entropy = 1.79

# Our measure



# Rename your project

SEW4\_<surname>



All caps