PREVIEW OF TEXT ANALYSIS

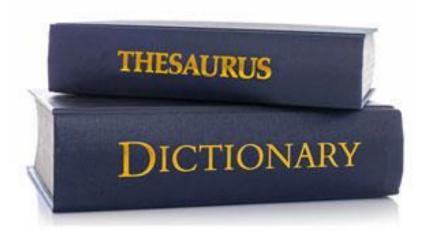
TEXT AS DATA

- 1. PRE-PROCESSING
- 2. TOKENIZATION
- 3. FEATURE SELECTION
- 4. MODELING

THE CORPORATION'S SPECIFIC PURPOSE IS TO SUPPORTS AFFORDABLE HOUSING, COMMUNITY DEVELOPMENT AND ECONOMIC DEVELOPMENT OF THE CITY AND COUNTY OF SAN FRANCISCO'S ECONOMICALLY DISADVANTAGED INDIVIDUALS AND COMMUNITIES, BY LENDING TO, INVESTING IN, AND DIRECTLY ACQUIRING SUCH AFFORDABLE HOUSING AND RELATED COMMUNITY DEVELOPMENT REAL ESTATE ASSETS.

the corporation specific purpose is to-support AFFORDABLE_HOUSING, community development and ECONOMIC_DEVELOPMENT of the city and county of SAN_FRANCISCO economically disadvantaged individuals and communities by lending to investing in and directly acquiring such-AFFORDABLE_HOUSING and related community development REAL_ESTATE assets

- Remove punctuation
- 2. Delete words with little information value ("stop words" in quanteda)
- 3. Identify compound constructs (apply "dictionary")



DISAMBIGUATION

Examples of N-GRAMS

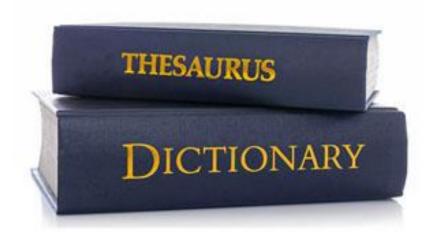
two-word or three-word groups that map to a single concept

George W. Bush

George Bush Jr.

President Bush

GW_BUSH



DISAMBIGUATION

Other mappings that you might want to do within the dictionary to disambiguate the term "New York" using context.



STEMMING

LEND RELATE

LENDing RELATEd

Convert all words to their respective **word roots** to standardize the data.

the corporation specific purpose is to-support AFFORDABLE_HOUSING, community development and ECONOMIC_DEVELOPMENT of the city and county of SAN_FRANCISCO economically disadvantaged individuals and communities by lending to investing in and directly acquiring such-AFFORDABLE_HOUSING and related community development REAL_ESTATE assets

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DOCUMENT FREQUENCY MATRIX (DFM):

final output of pre-processing steps in quanteda

Terms	Documents													
1011113	М	M	М	М	М	<u>М</u>	M	M	<u>.</u> М	М	М	М	M	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
a la va a v vaa a liiti a a	_							0		10				
abnormalities	0	0	0	0	0	0	0	 -	0	-	0	0	0	0
age	1	0	0	0	0	0	0	0	0	0	0	1	0	0
behavior	0	0	0	0	1	1	0	0	0	0	0	0	0	0
blood	0	0	0	0	0	0	0	1	0	0	1	0	0	0
close	0	0	0	0	0	0	1	0	0	0	1	0	0	0
culture	1	1	0	0	0	0	0	1	1	0	0	0	0	0
depressed	1	0	1	1	1	0	0	0	0	0	0	0	0	0
discharge	1	1	0	0	0	1	0	0	0	0	0	0	0	0
disease	0	0	0	0	0	0	0	0	1	0	1	0	0	0
fast	0	0	0	0	0	0	0	0	0	1	0	1	1	1
generation	0	0	0	0	0	0	0	0	1	0	0	0	1	0
oestrogen	0	0	1	1	0	0	0	0	0	0	0	0	0	0
patients	1	1	0	1	0	0	0	1	0	0	0	0	0	0
pressure	0	0	0	0	0	0	0	0	0	0	1	0	0	1
rats	0	0	0	0	0	0	0	0	0	0	0	0	1	1
respect	0	0	0	0	0	0	0	1	0	0	0	1	0	0
rise	0	0	0	1	0	0	0	0	0	0	0	0	0	1
study	1	0	1	0	0	0	0	0	1	0	0	0	0	0