



# Horrrifying Data: Issues with Missing Data

Chelsi Slotten

PhD Candidate American University



# Preservation Issues

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Aggerborg AS 13/81	
Barse BK	
Bogovej AH	
Bogovej BE 1	
Bogovej BU	
Bogovej S 2	
Galgedil AA	
Galgedil AQQ	
Galgedil LS 325	
Galgedil UD-ØST	
Grydehøj A2036	
Hesselbjerg 11	
Hesselbjerg 4	
Hessum IIIa	
Kaargarden BR	
Kongemarken 1	
Kuml Høje C1	
Lejre 804	
Rantzausminde 1	
Sebbersund 398	
id	
ass_stature	
ass_osteological_sex_cranium_cat	
ass_osteological_sex_cranium_val	
ass_left_femur_bi	
ass_right_femur_max	
ass_right_femur_distal	
ass_avg_femur_head	
ass_left_humerus_bi	
ass_right_humerus_max	
ass_right_humerus_distal	
ass_avg_humerus_head	
ass_left_tibia_bi	
ass_right_tibia_max	
ass_right_tibia_distal	
ass_avg_tibia_head	
teeth_tooth_1	
teeth_tooth_4	
teeth_tooth_7	
teeth_tooth_10	
teeth_tooth_13	
teeth_tooth_16	
teeth_tooth_19	
teeth_tooth_22	
teeth_tooth_25	
teeth_tooth_28	
teeth_tooth_31	



# Statistics

- Central Tendency
  - Spread
  - Percentiles
  - Skewness
  - Covariance and Correlation
- 
- But what about using Big Data to look at social structure?





# The Question

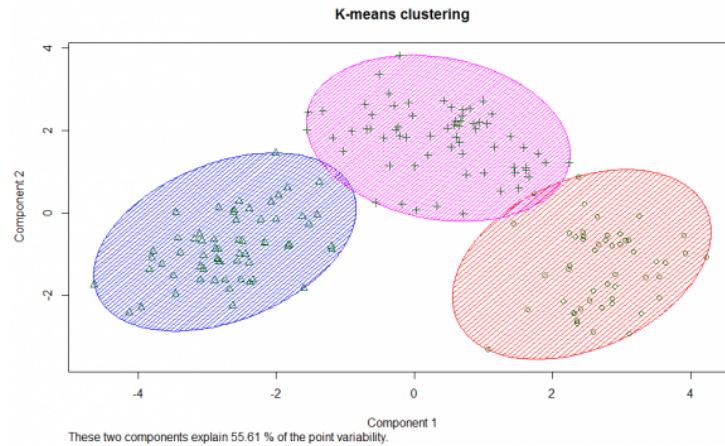
- How does gender impact lived experiences and identity formation during the Danish Viking Age?

# The Sample

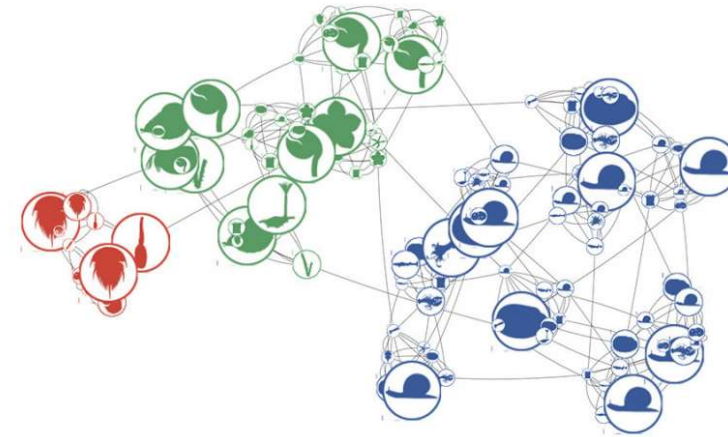
174 burials  
from Viking  
Age Denmark

335 possible  
variables for  
each individual

# The Hope



CLUSTER ANALYSIS




NETWORK ANALYSIS



# The Problems

- I'm not great at coding and only know some python
- A lot of the packages out there do not work well with missing data





Can you help solve my  
missing data horror  
story?

[slottenc@gmail.com](mailto:slottenc@gmail.com)