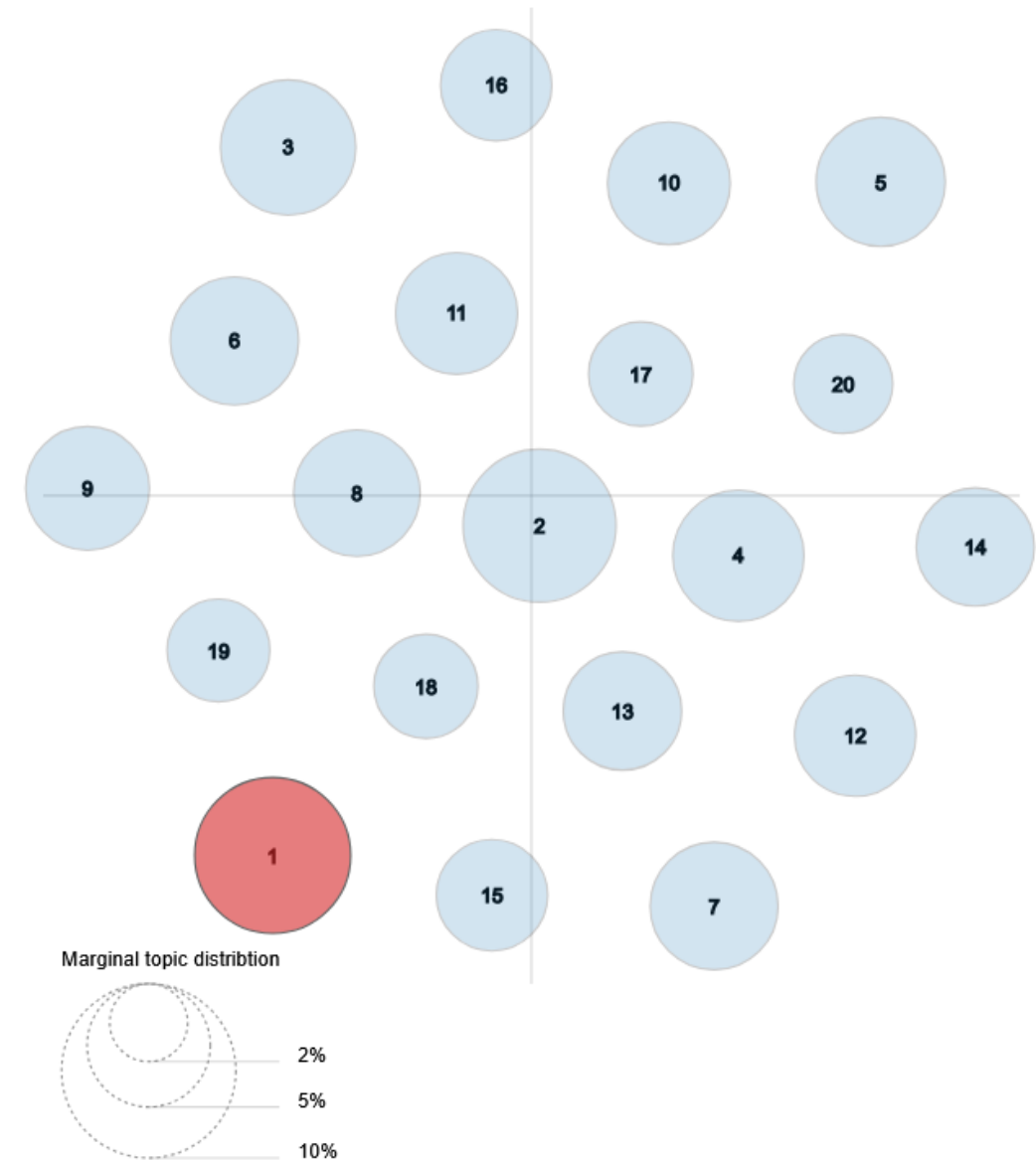
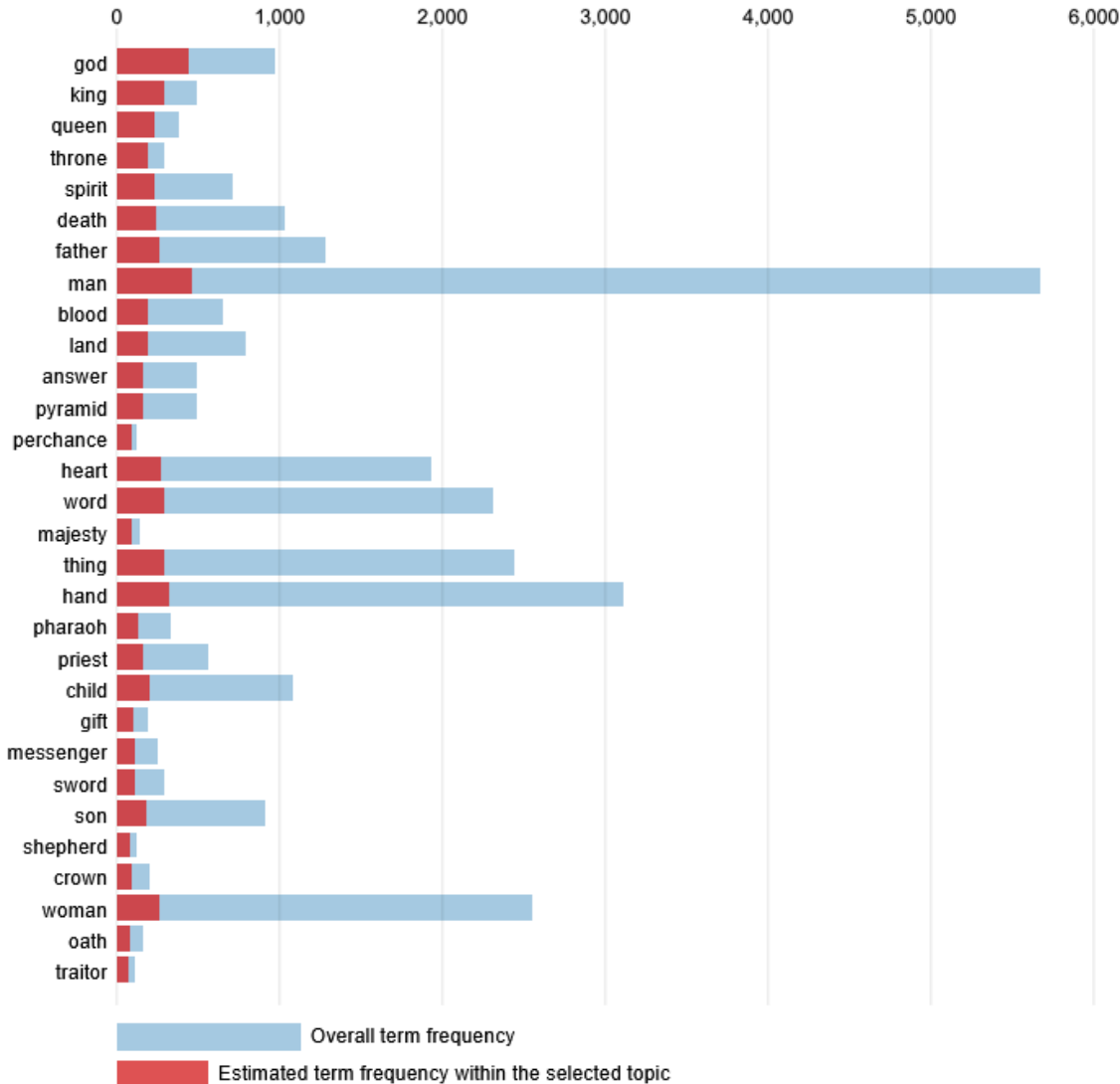


Intertopic Distance Map (via multidimensional scaling)



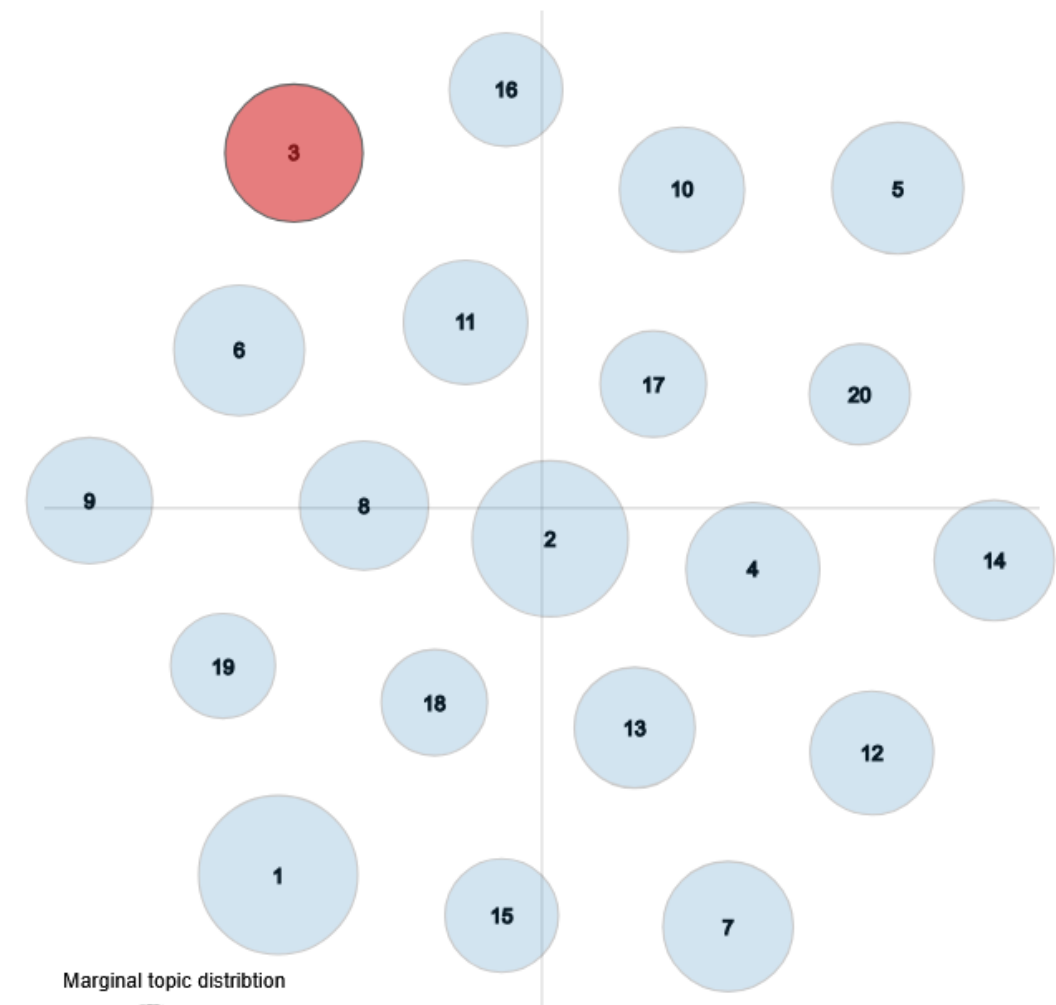
Top-30 Most Relevant Terms for Topic 1 (8% of tokens)



1.  $\text{saliency}(\text{term } w) = \text{frequency}(w) * [\sum_t p(t | w) * \log(p(t | w)/p(t))]$  for topics  $t$ ; see Chuang et. al (2012)  
2.  $\text{relevance}(\text{term } w | \text{topic } t) = \lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)



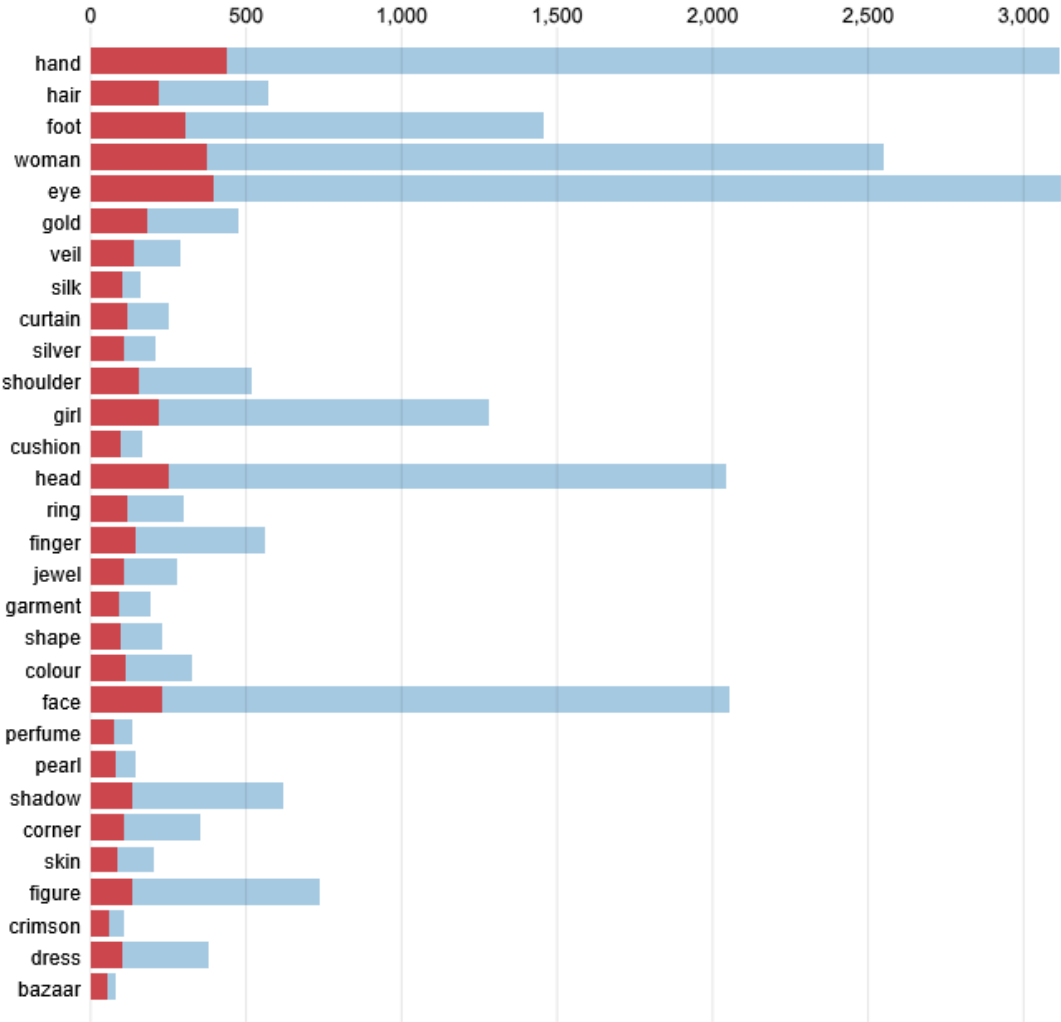
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



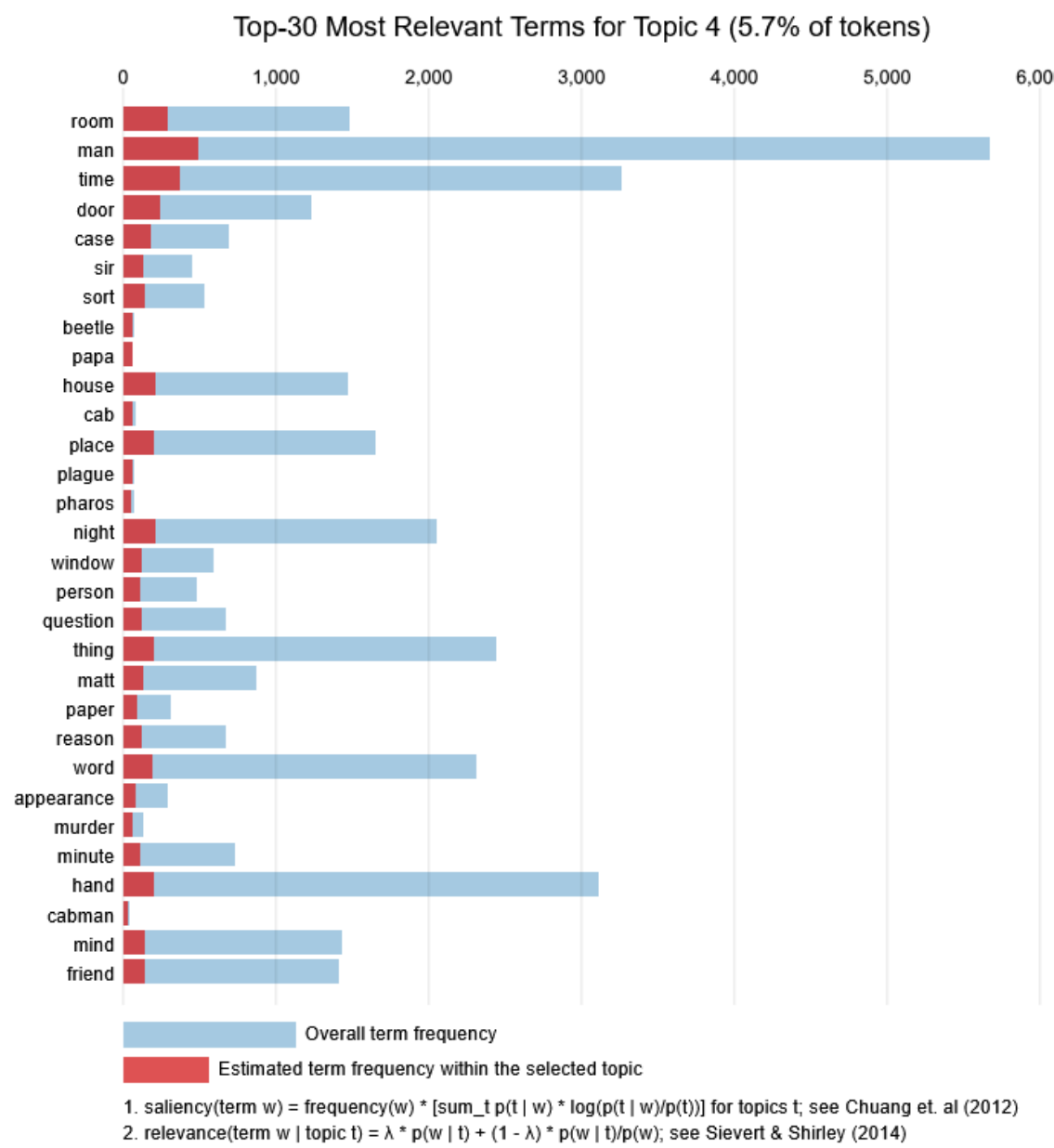
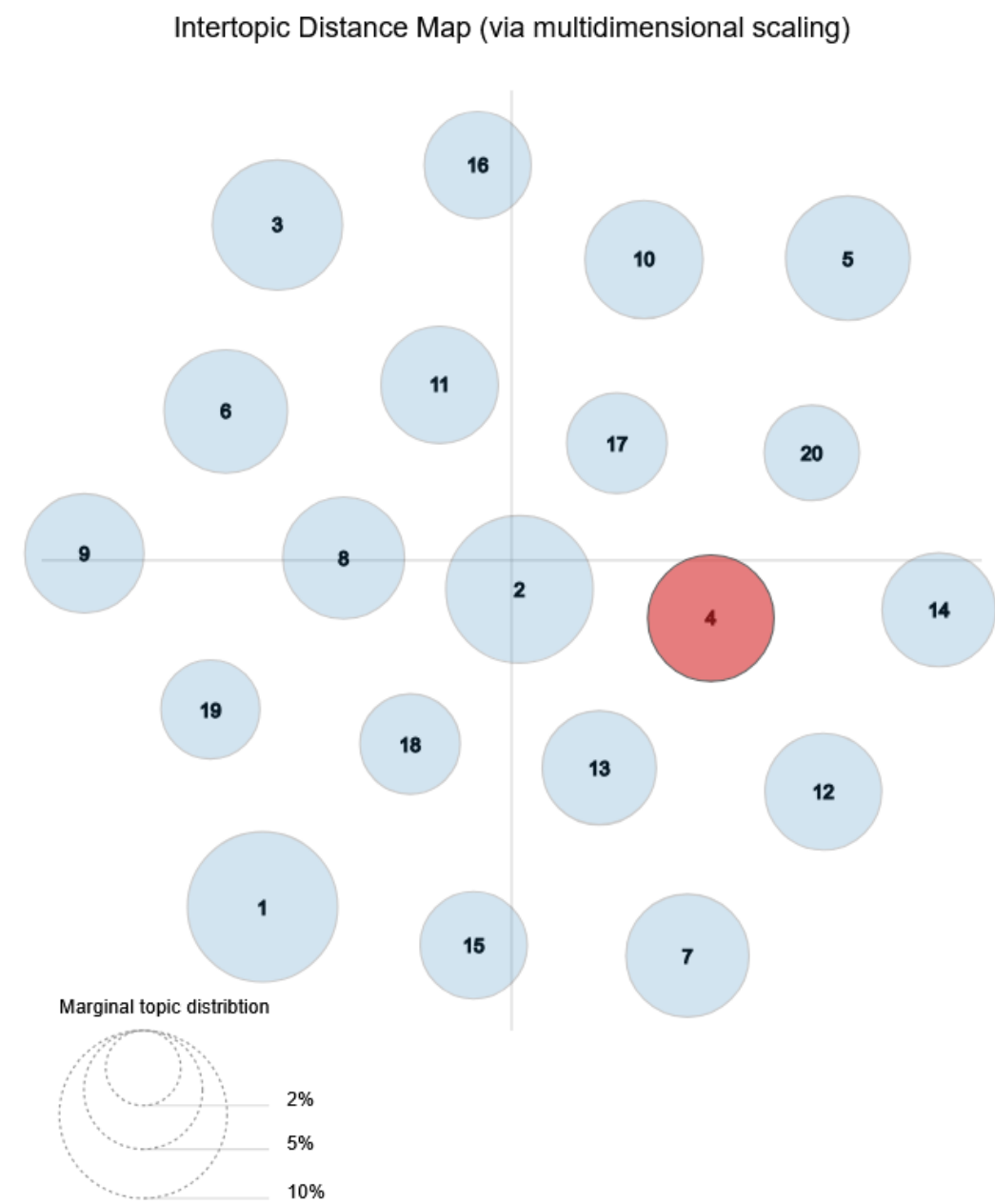
Top-30 Most Relevant Terms for Topic 3 (6% of tokens)



Overall term frequency

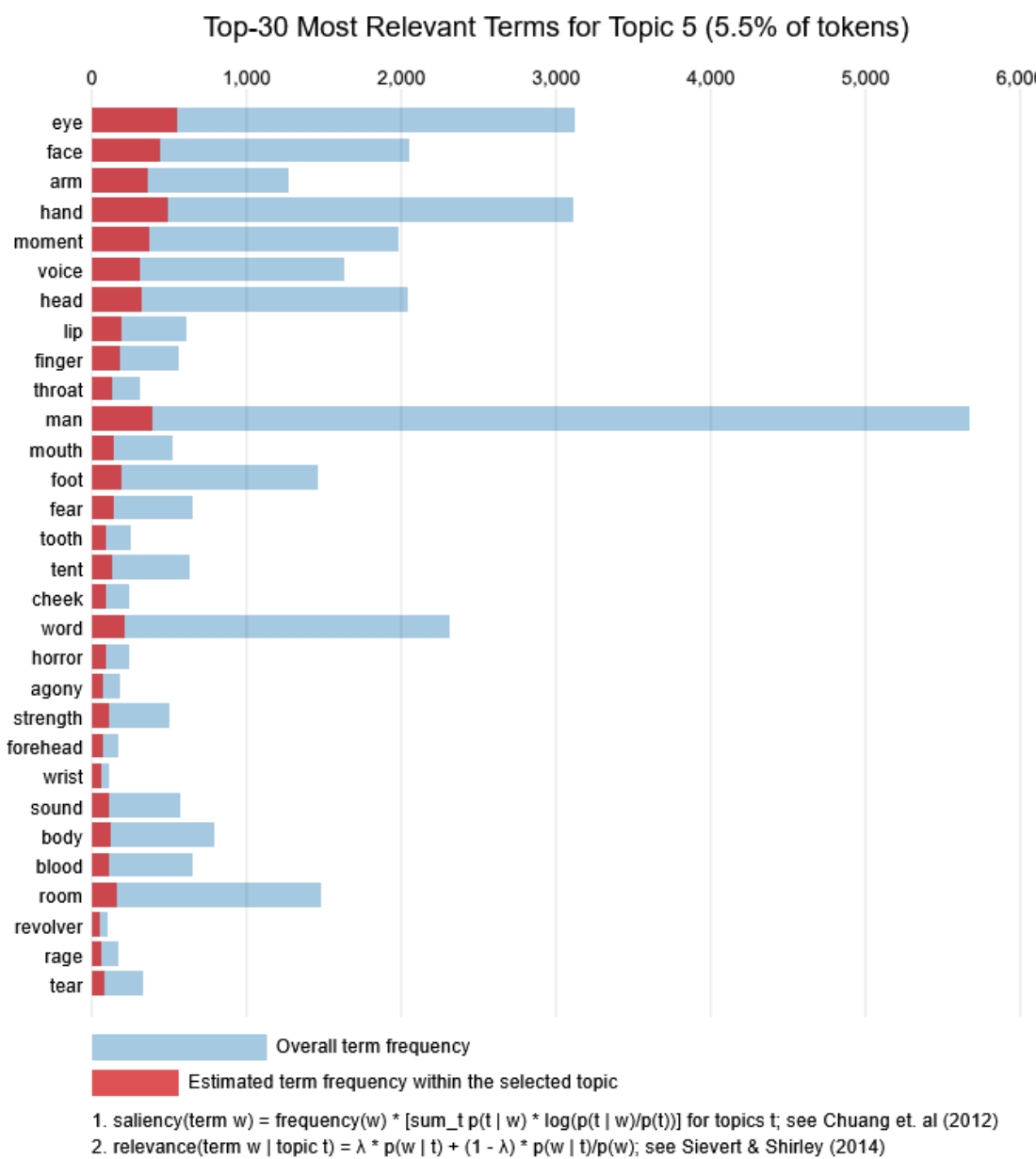
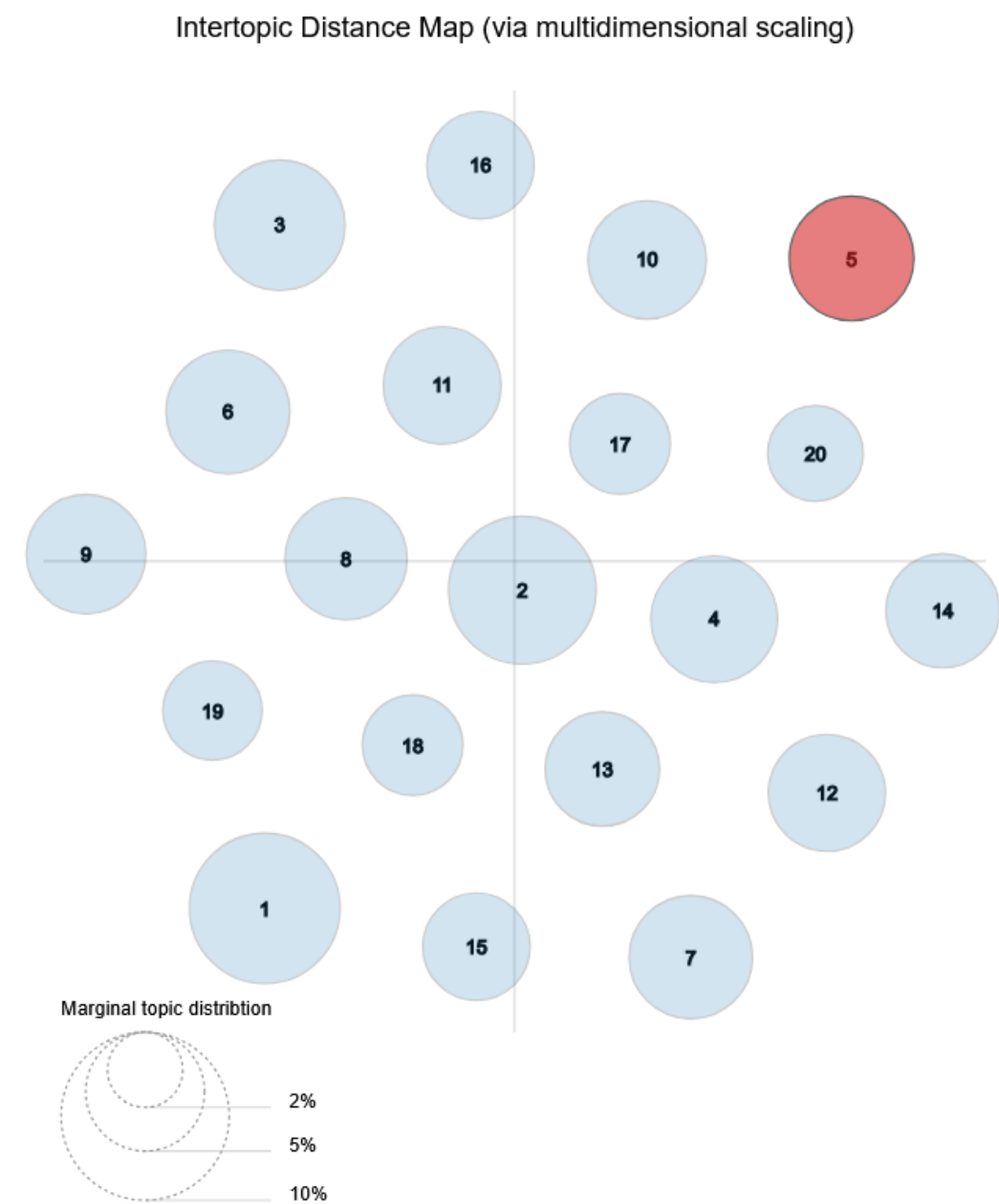
Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))]] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)



1.  $\text{saliency}(\text{term } w) = \text{frequency}(w) * [\sum_t p(t | w) * \log(p(t | w)/p(t))]$  for topics  $t$ ; see Chuang et. al (2012)

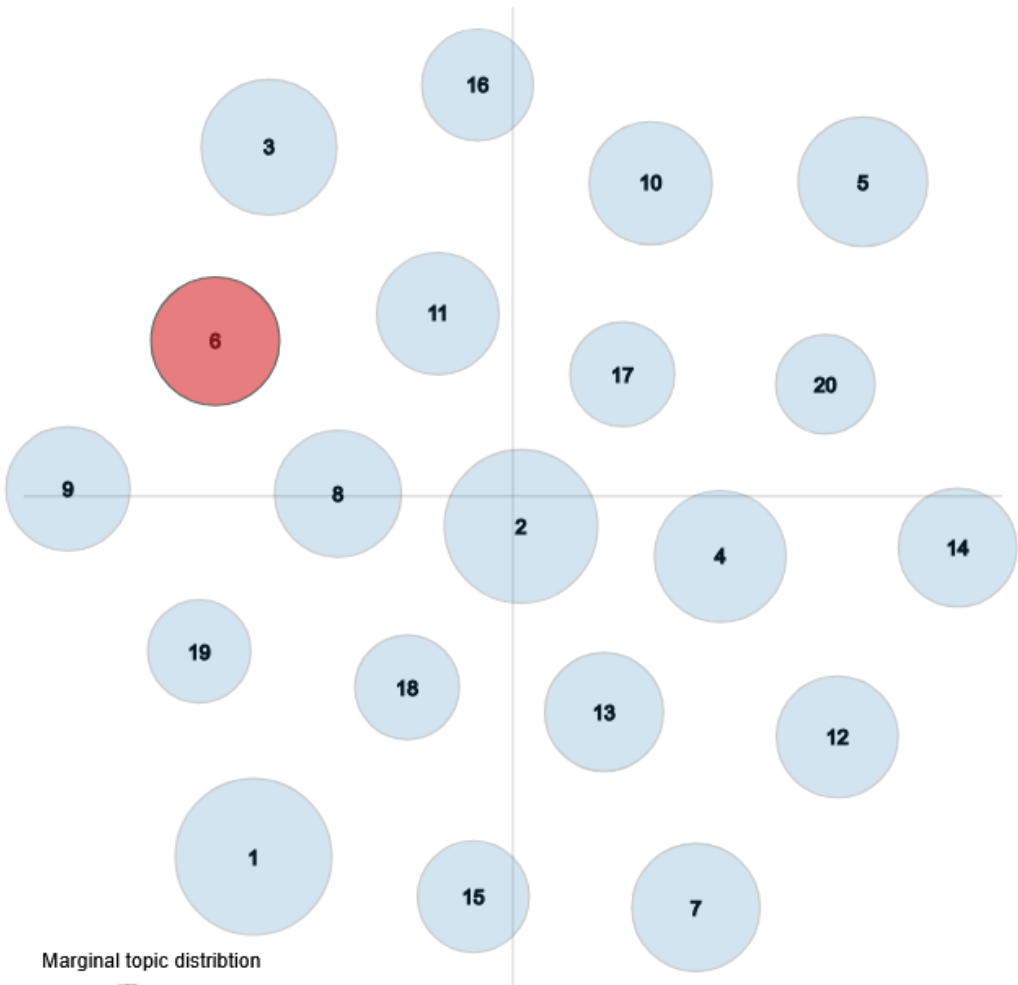
2.  $\text{relevance}(\text{term } w | \text{topic } t) = \lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)



1.  $\text{saliency}(\text{term } w) = \text{frequency}(w) * [\sum_t p(t | w) * \log(p(t | w)/p(t))]$  for topics  $t$ ; see Chuang et. al (2012)

2.  $\text{relevance}(\text{term } w | \text{topic } t) = \lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

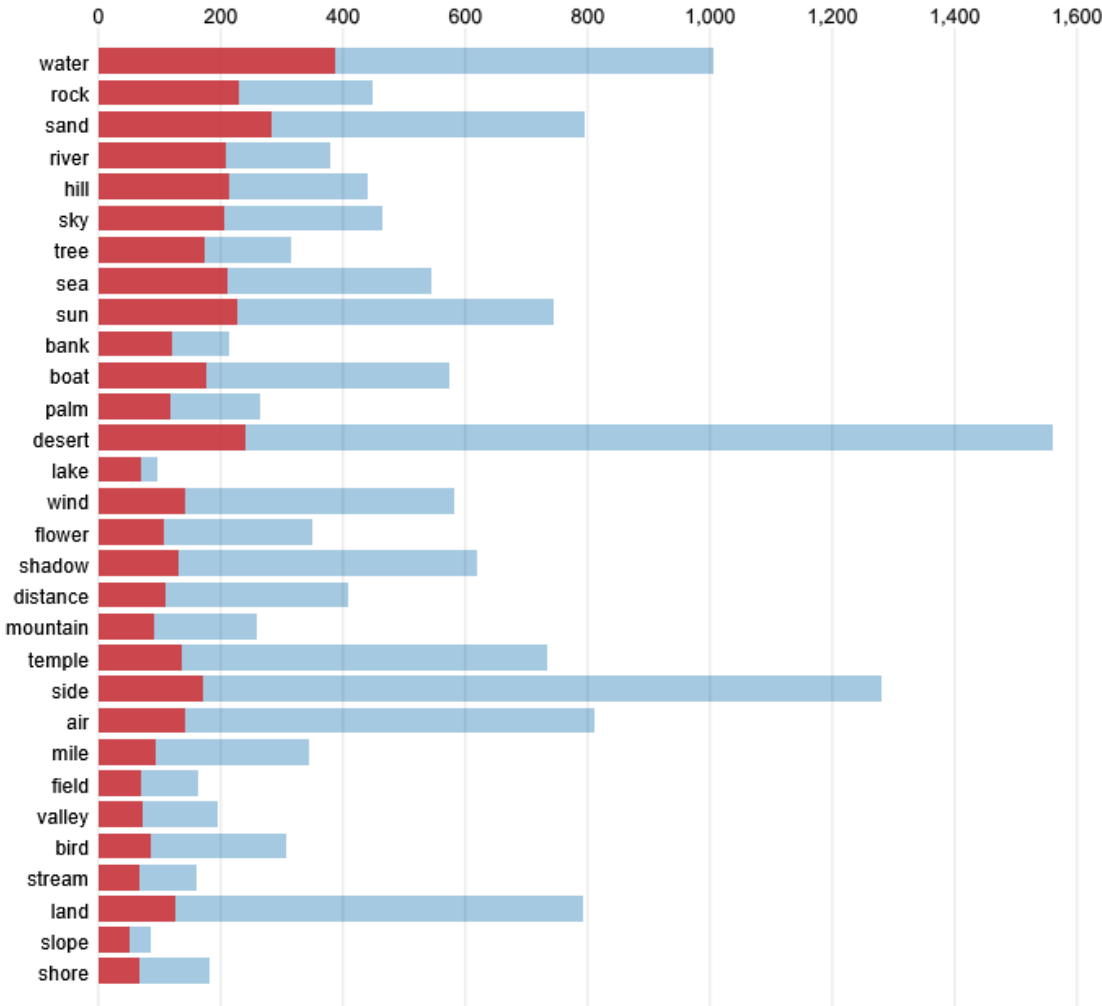
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



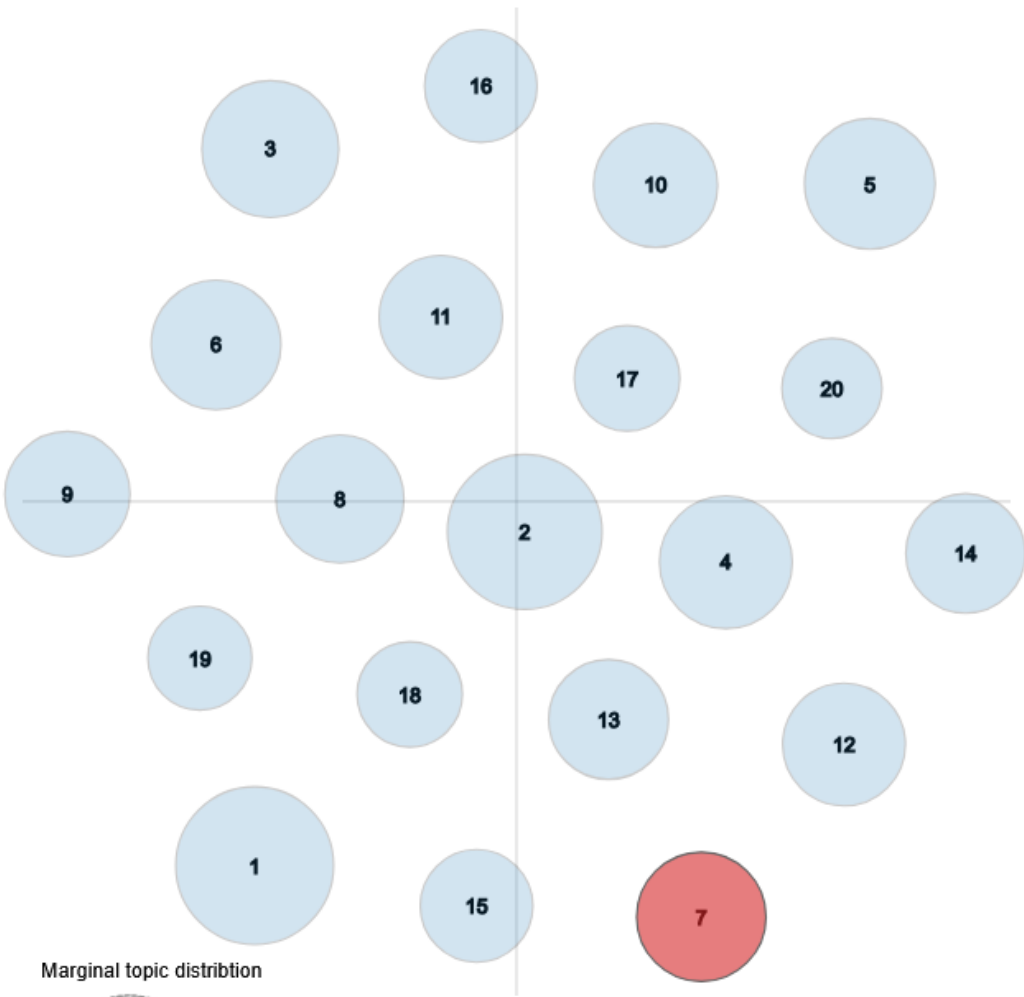
Top-30 Most Relevant Terms for Topic 6 (5.4% of tokens)



Overall term frequency  
Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))]] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

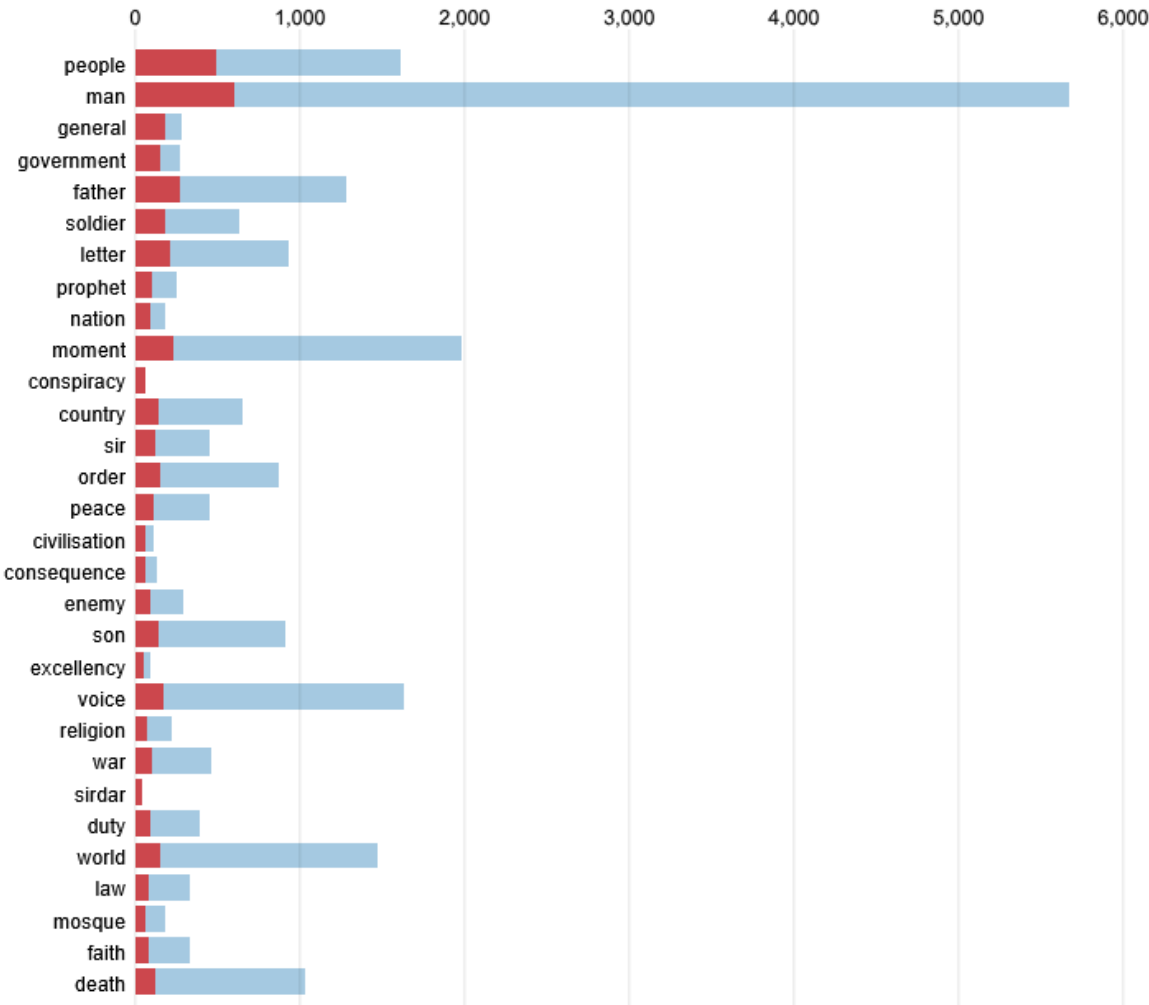
Intertopic Distance Map (via multidimensional scaling)





Marginal topic distribution



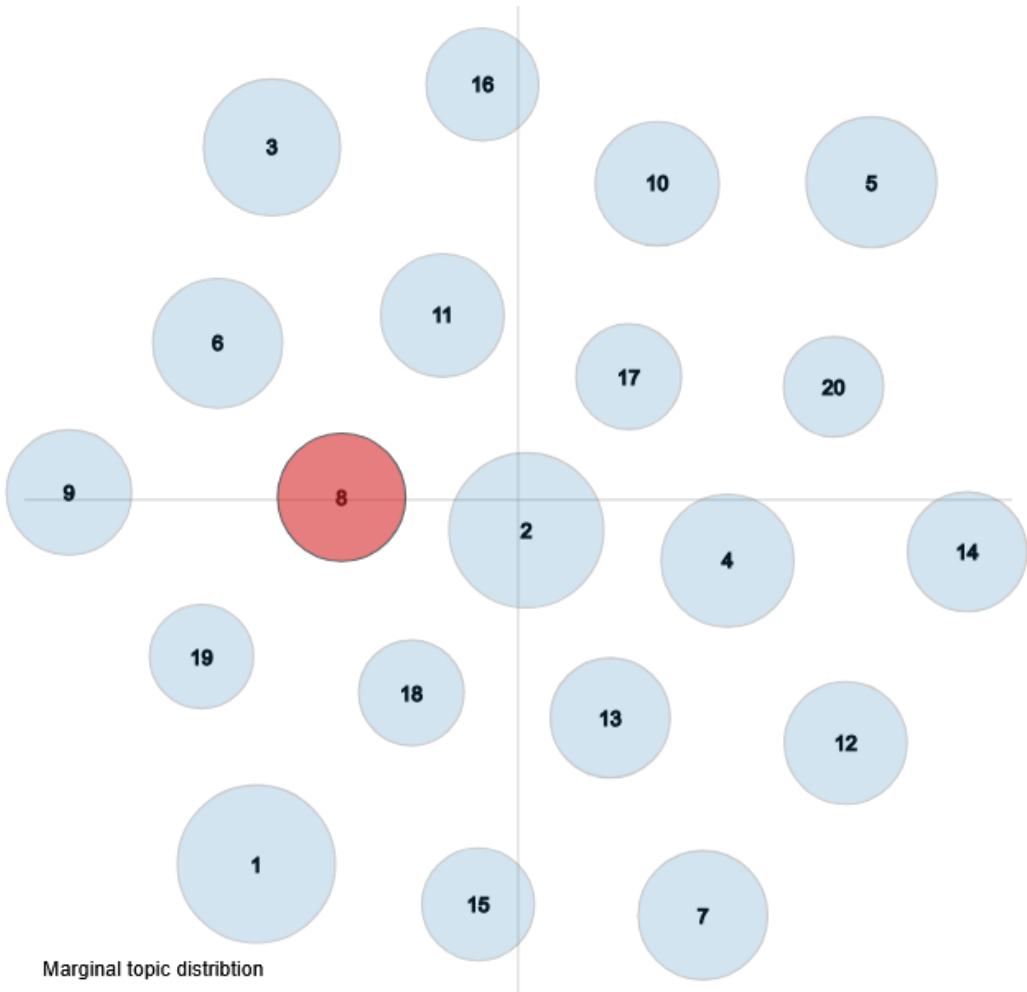
Top-30 Most Relevant Terms for Topic 7 (5.4% of tokens)



 Overall term frequency  
 Estimated term frequency within the selected topic

1.  $\text{saliency}(\text{term } w) = \text{frequency}(w) * [\sum_t p(t | w) * \log(p(t | w)/p(t))]$  for topics  $t$ ; see Chuang et. al (2012)  
2.  $\text{relevance}(\text{term } w | \text{topic } t) = \lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

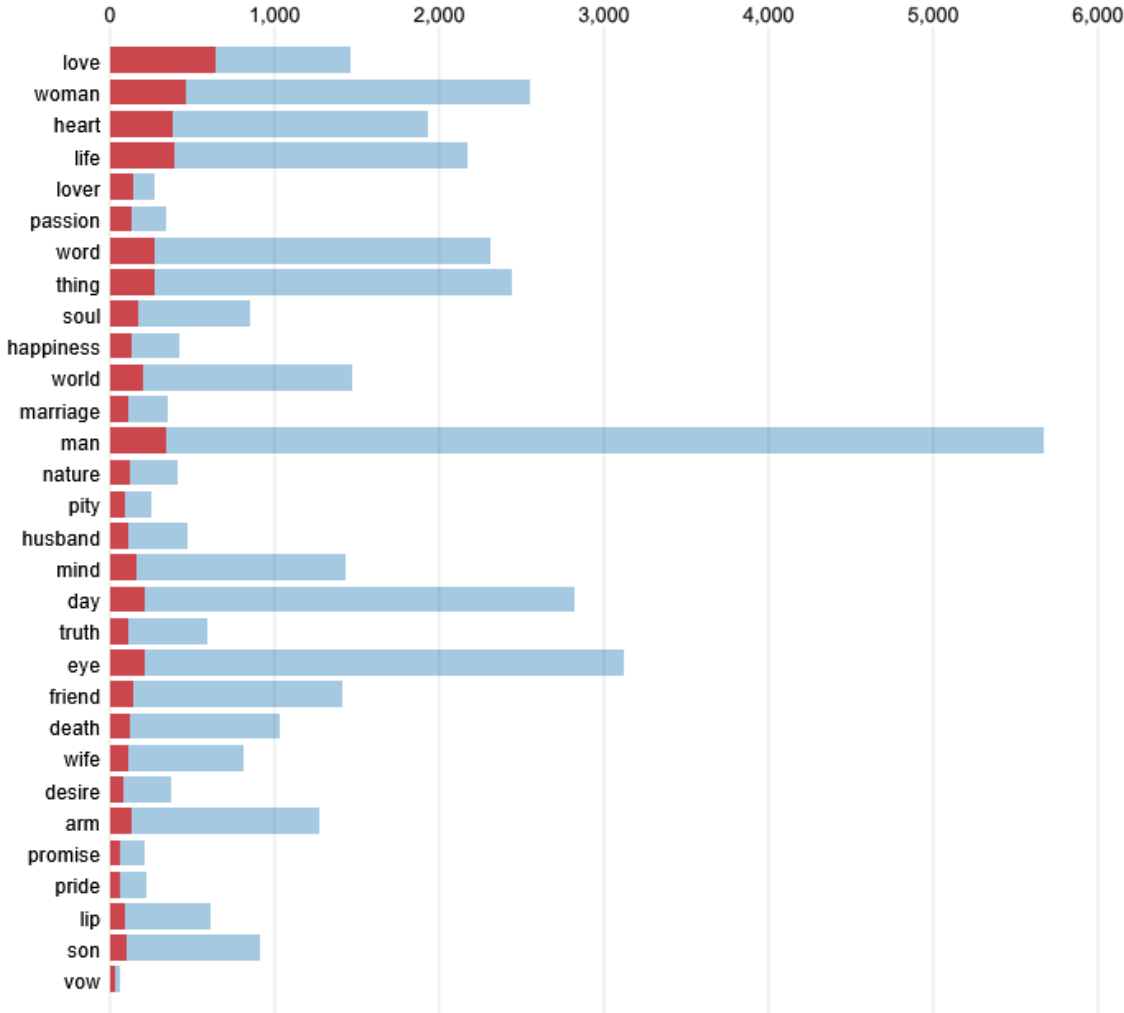
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



Top-30 Most Relevant Terms for Topic 8 (5.3% of tokens)

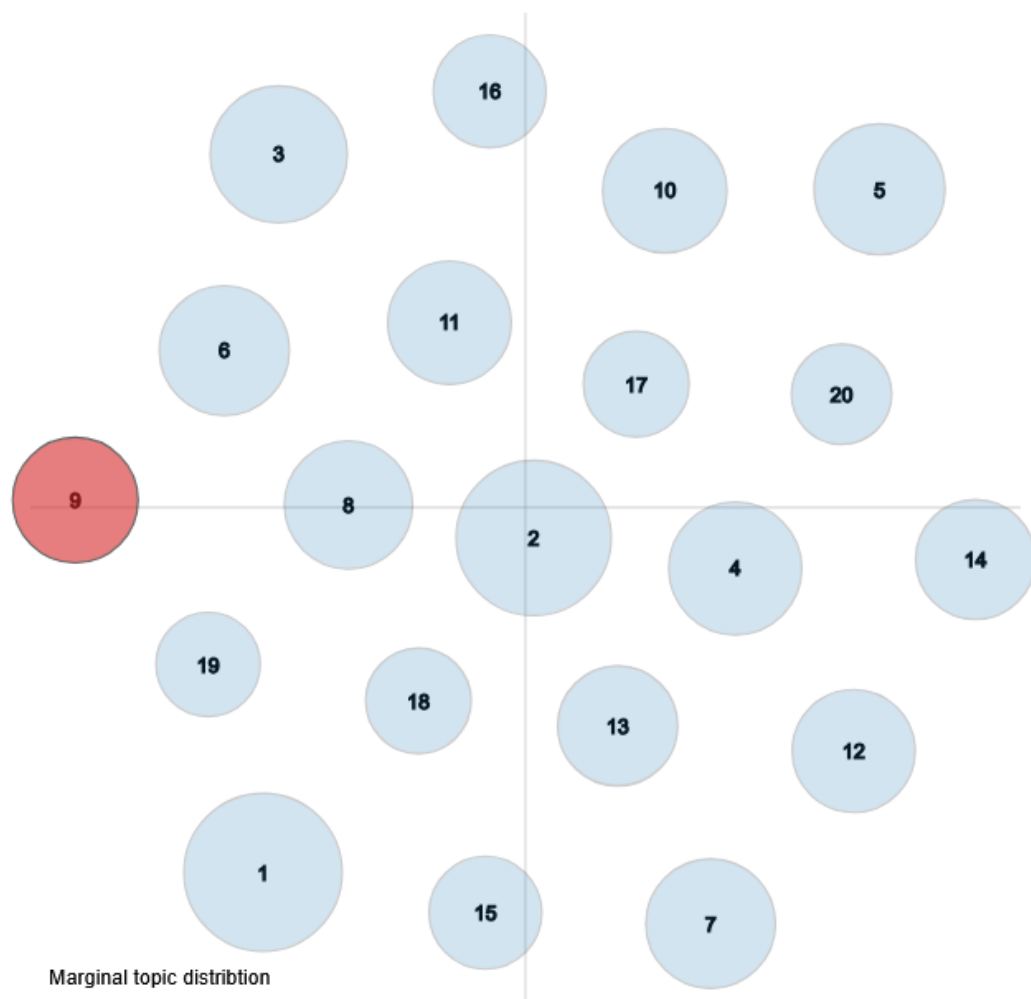


Overall term frequency  
Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))]] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)



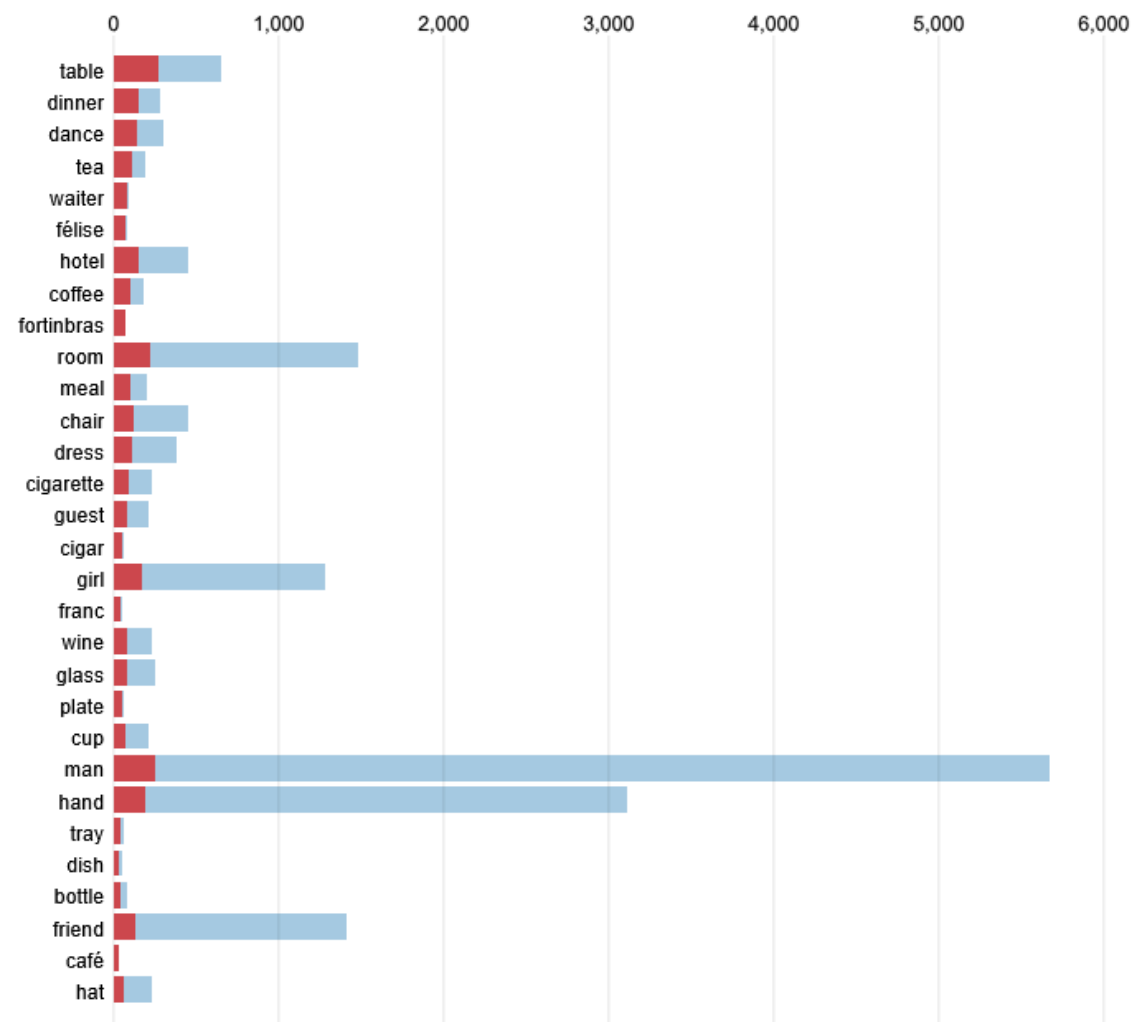
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



Top-30 Most Relevant Terms for Topic 9 (5% of tokens)



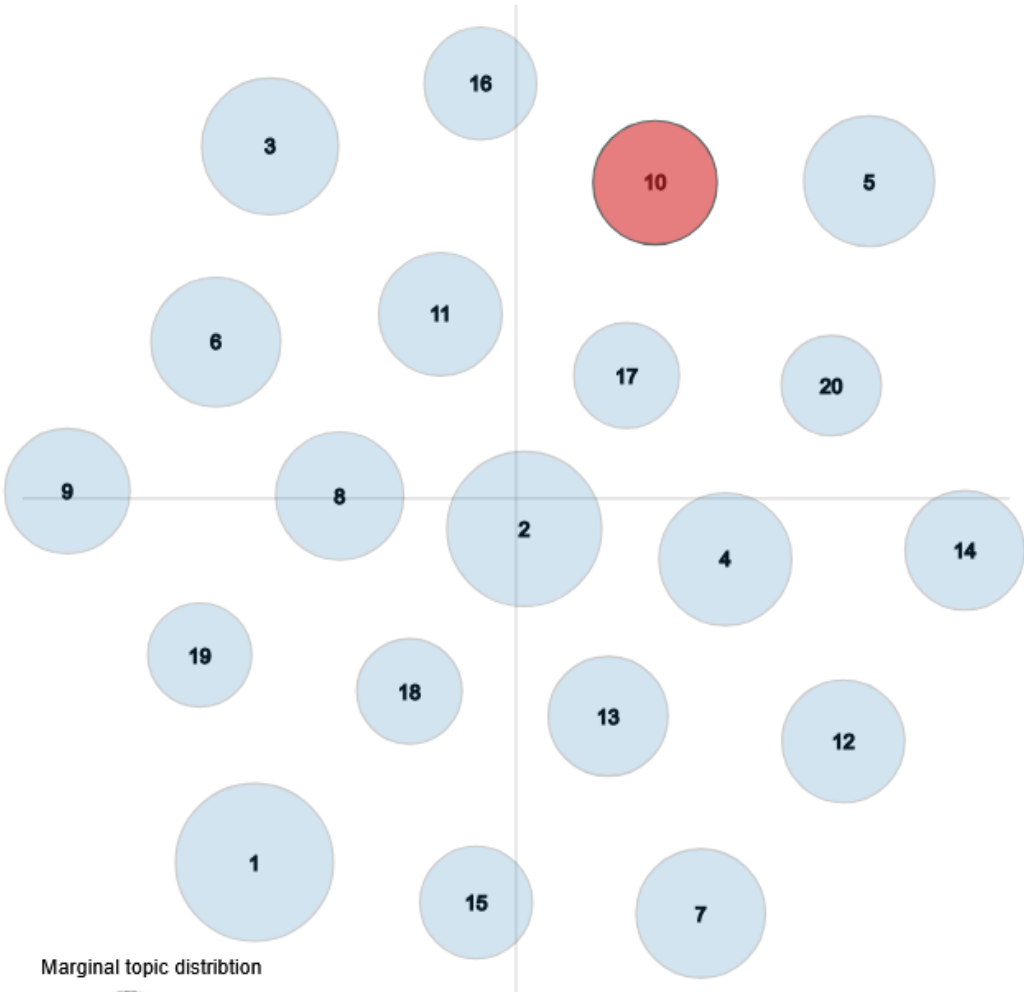
Overall term frequency

Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)

2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

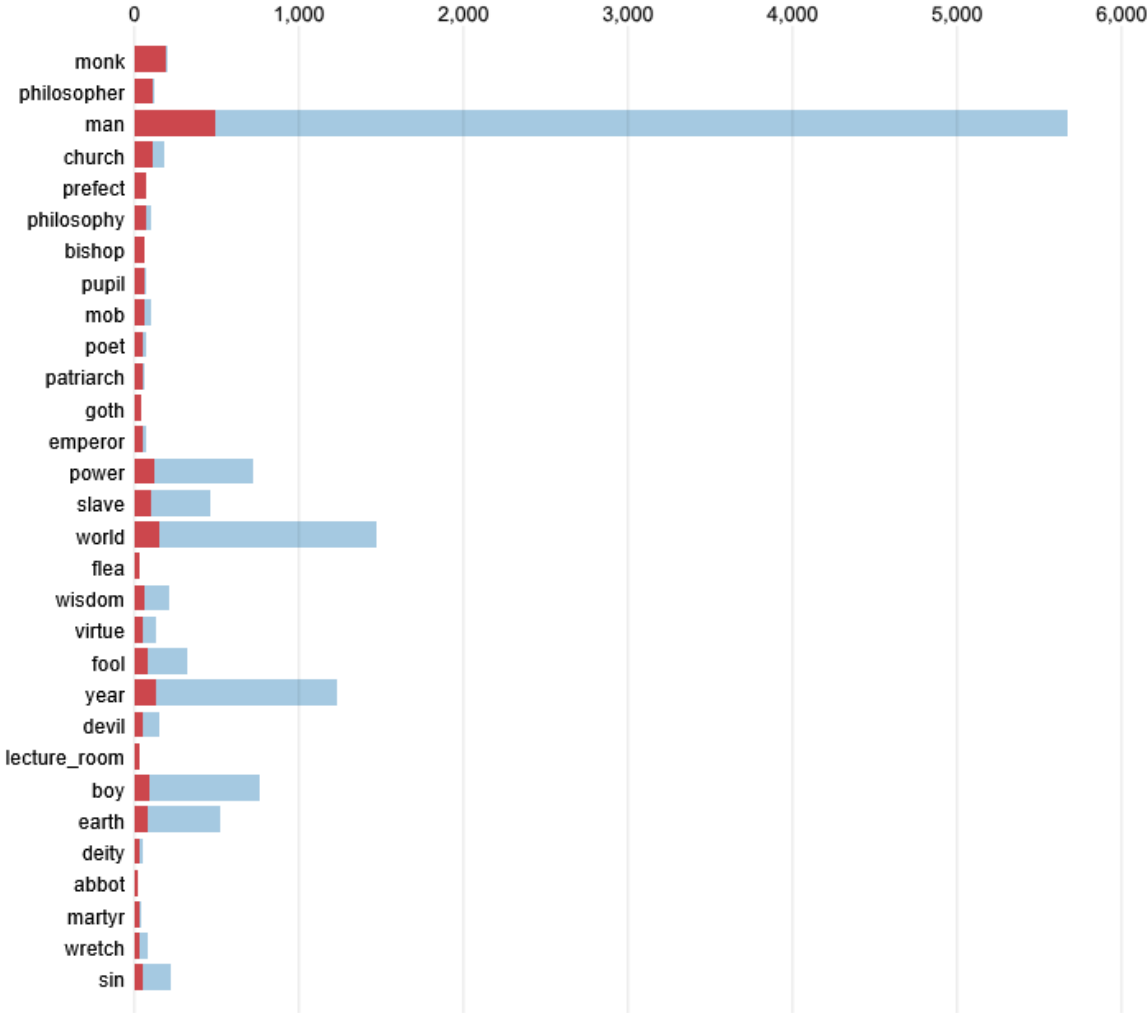
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



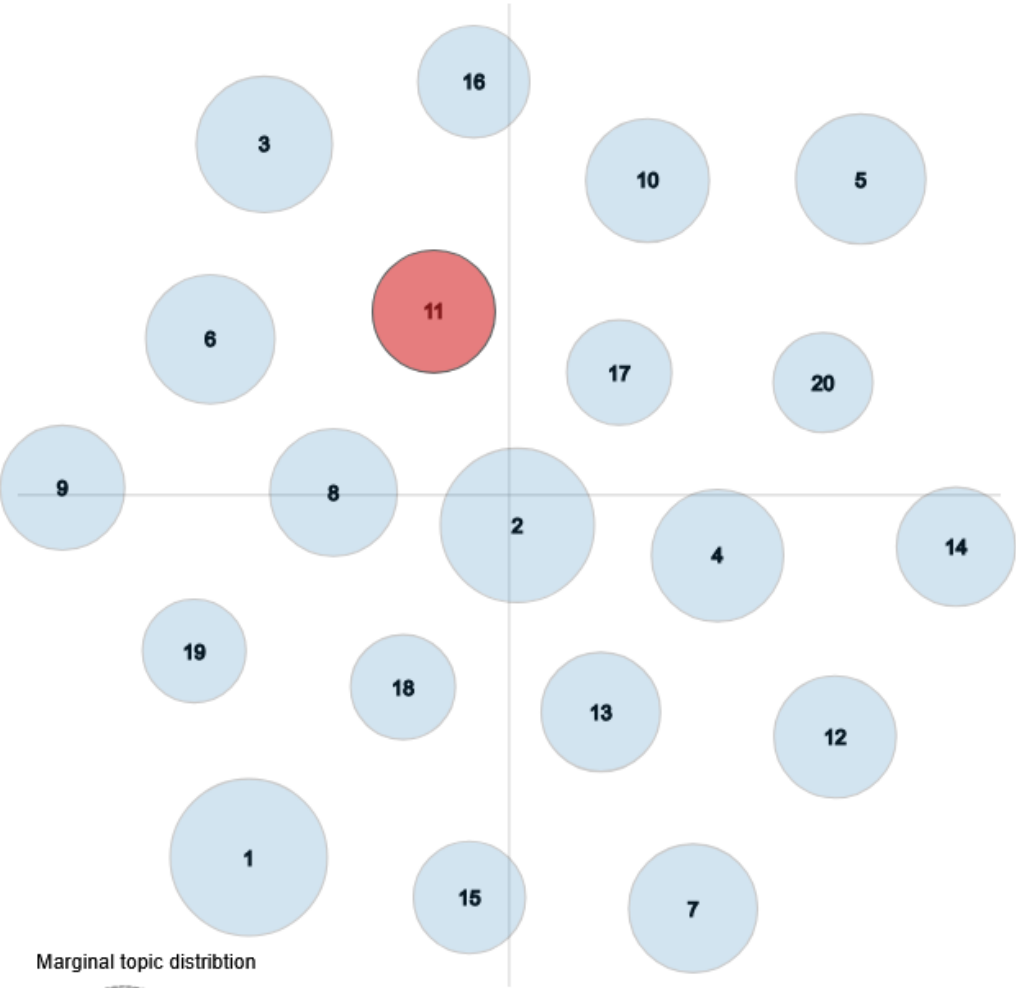
Top-30 Most Relevant Terms for Topic 10 (5% of tokens)



Overall term frequency  
Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda$  \* p(w | t) + (1 -  $\lambda$ ) \* p(w | t)/p(w); see Sievert & Shirley (2014)

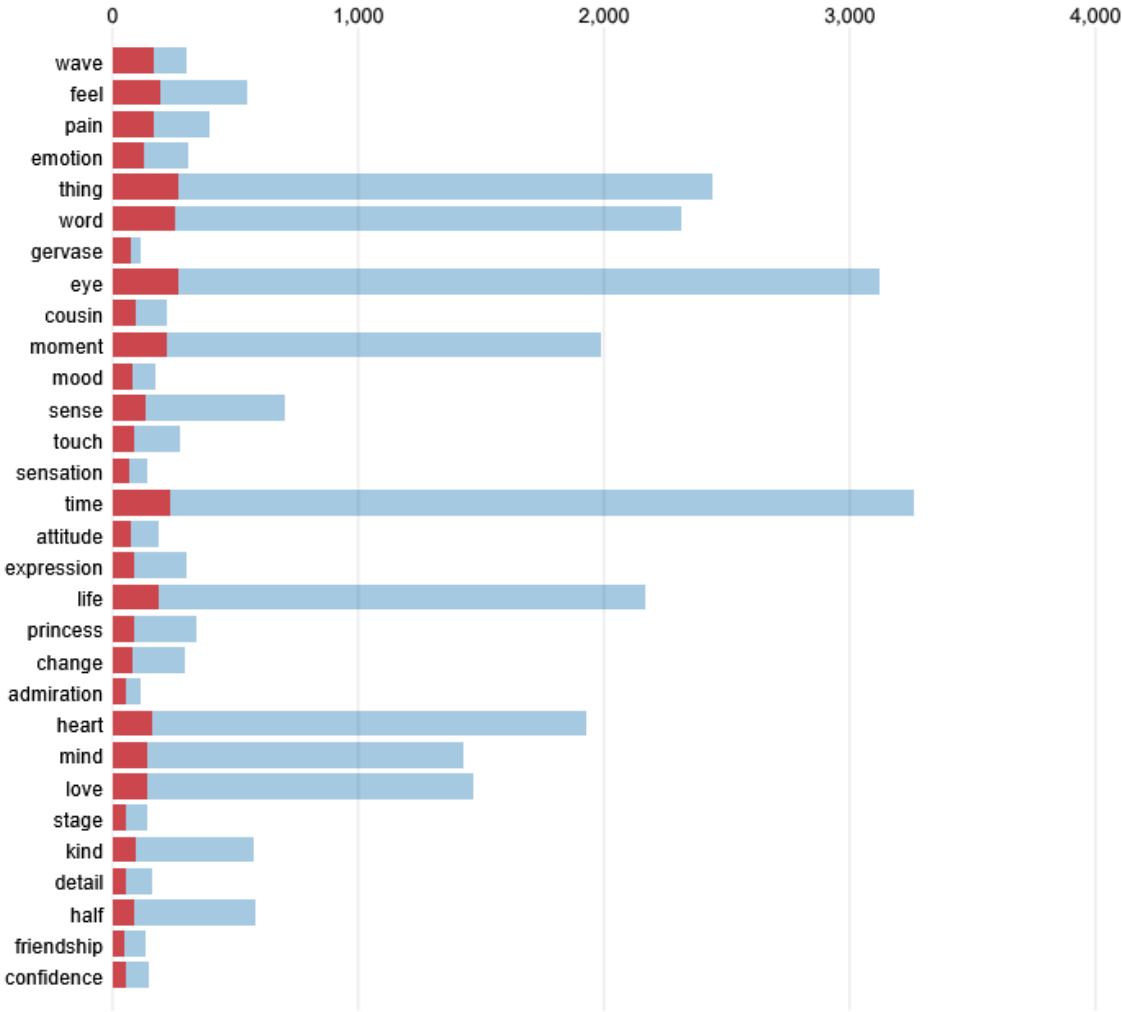
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



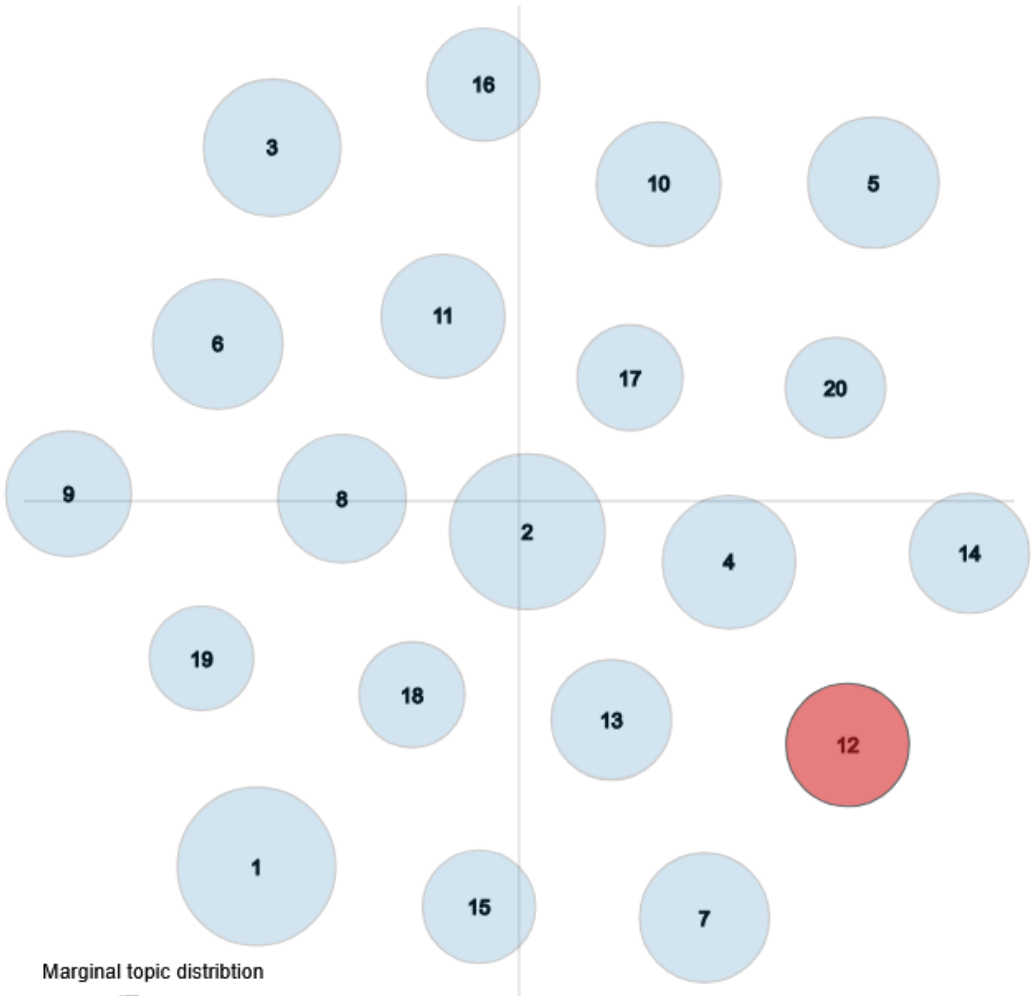
Top-30 Most Relevant Terms for Topic 11 (4.9% of tokens)



Overall term frequency  
Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

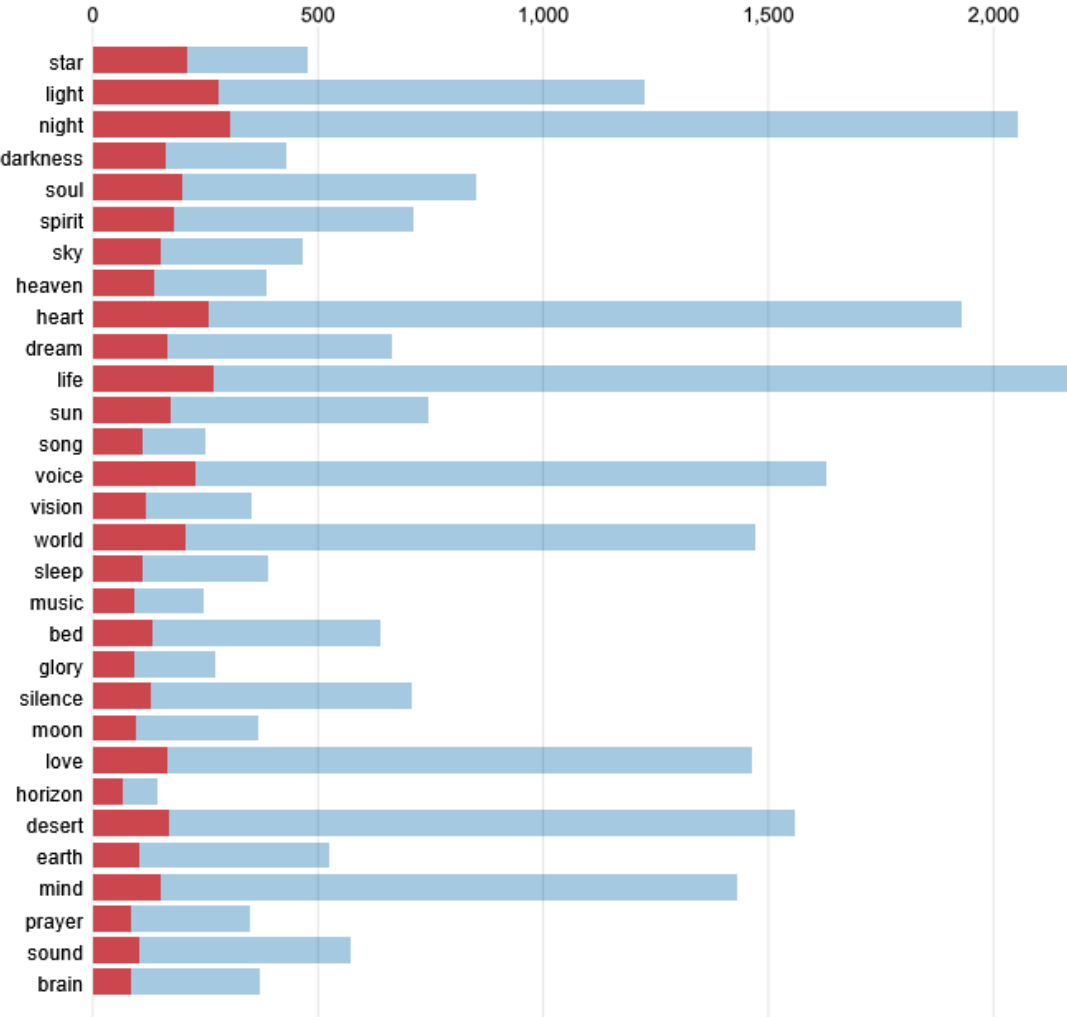
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



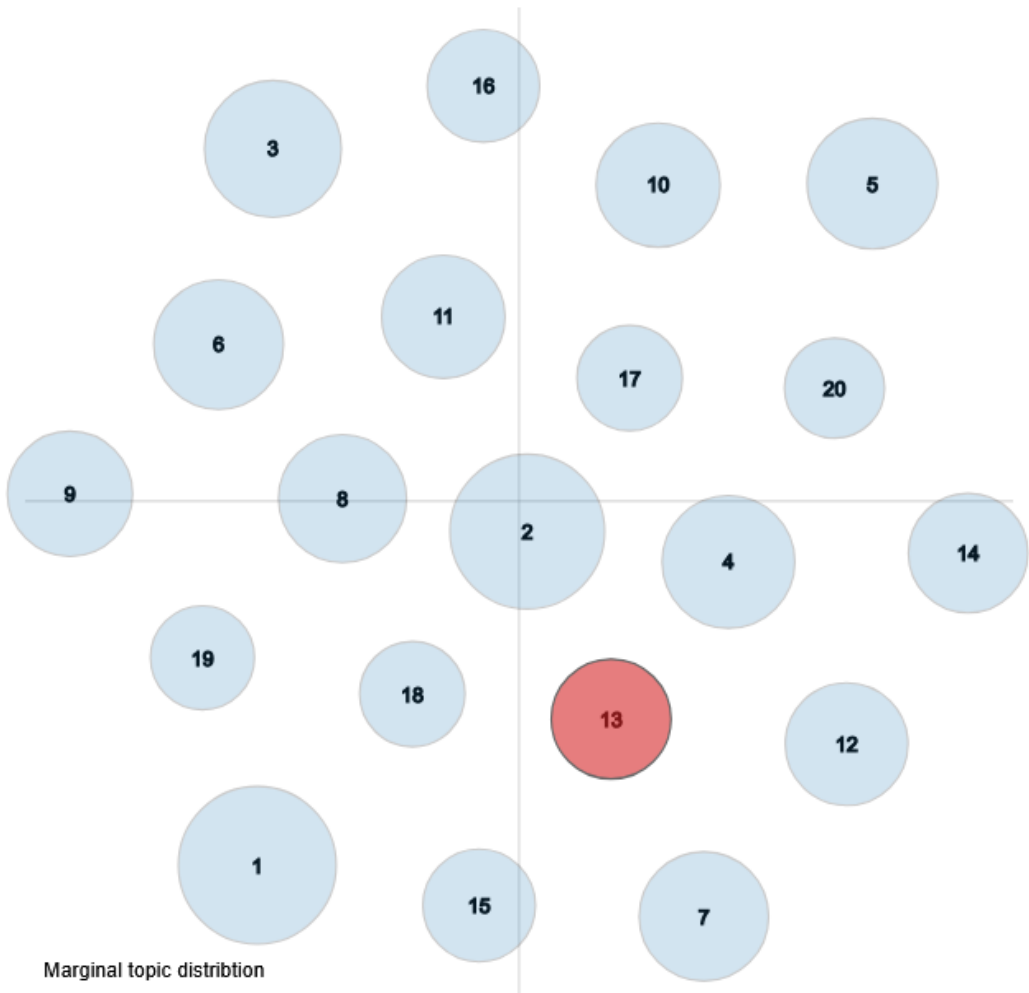
Top-30 Most Relevant Terms for Topic 12 (4.8% of tokens)



Overall term frequency  
Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))]; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

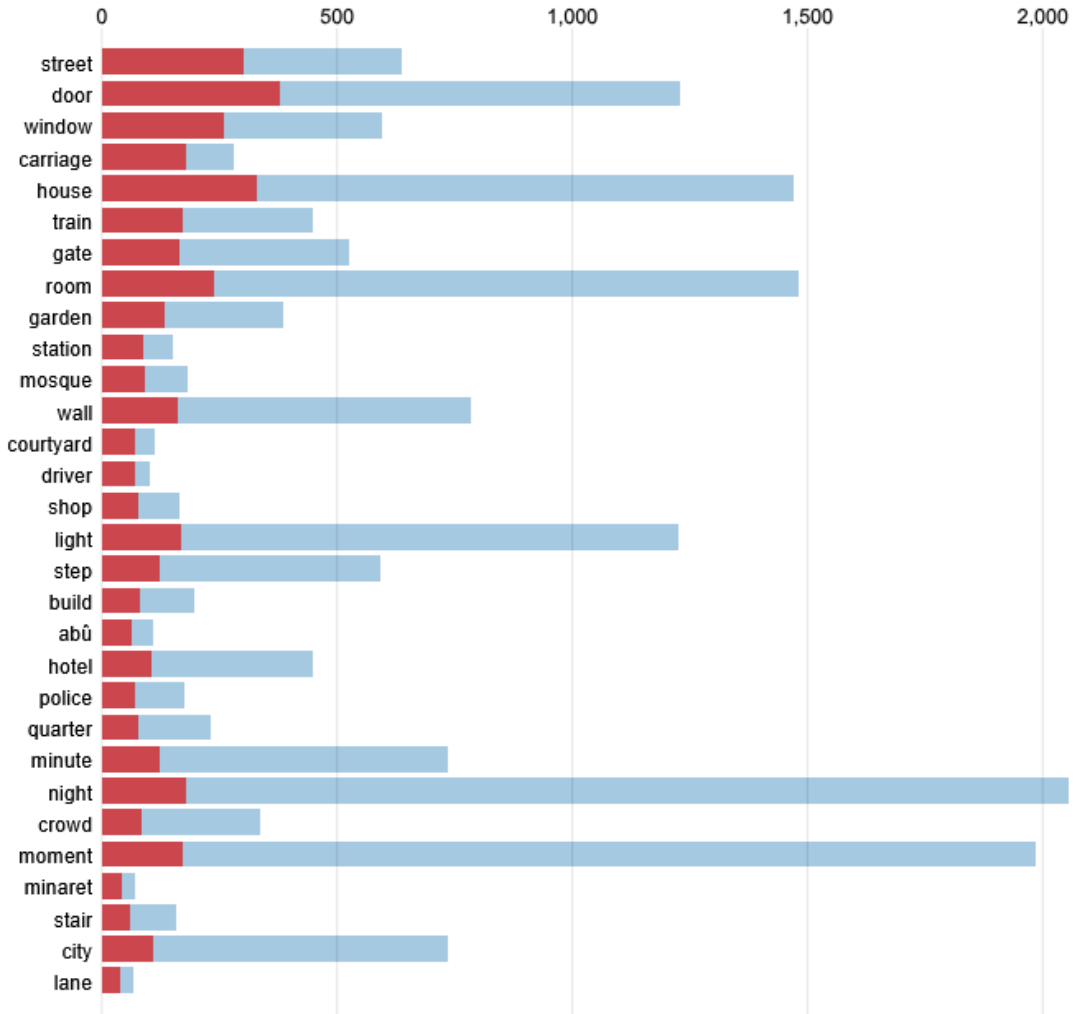
Intertopic Distance Map (via multidimensional scaling)





Marginal topic distribution



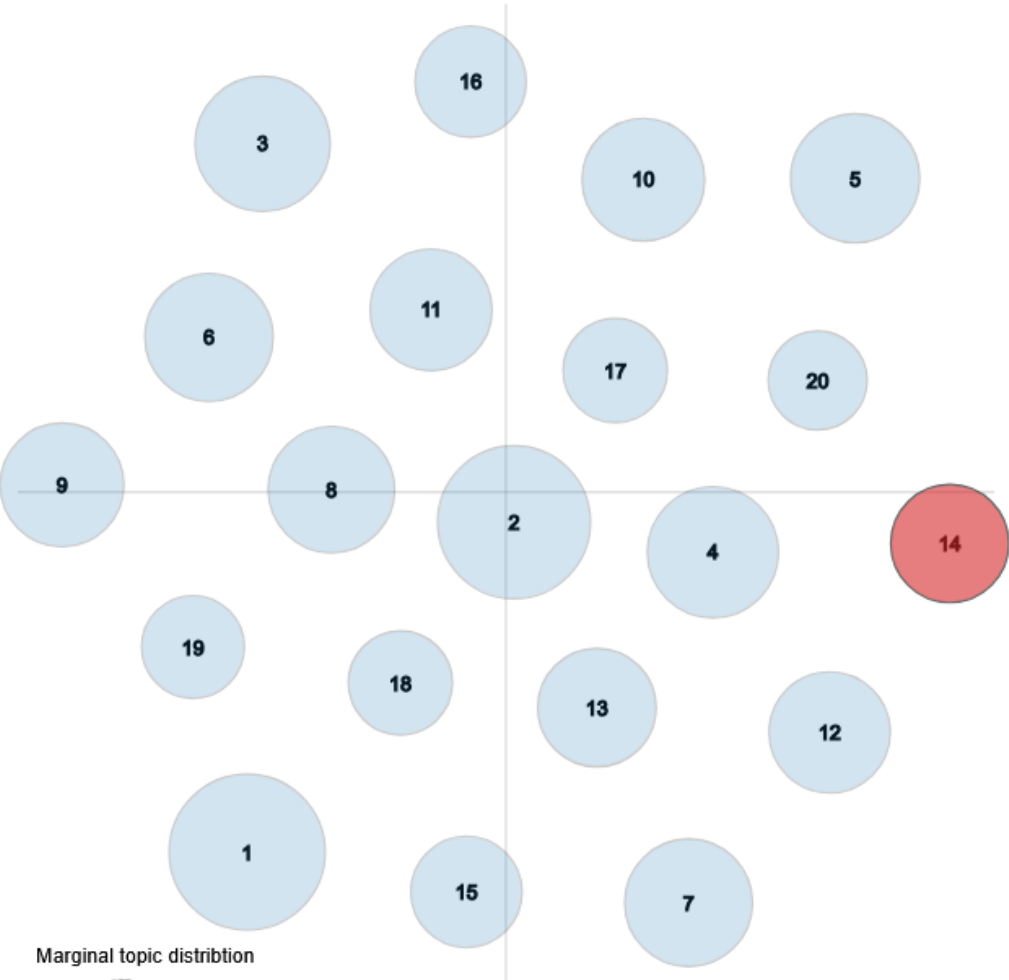
Top-30 Most Relevant Terms for Topic 13 (4.6% of tokens)



 Overall term frequency  
 Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

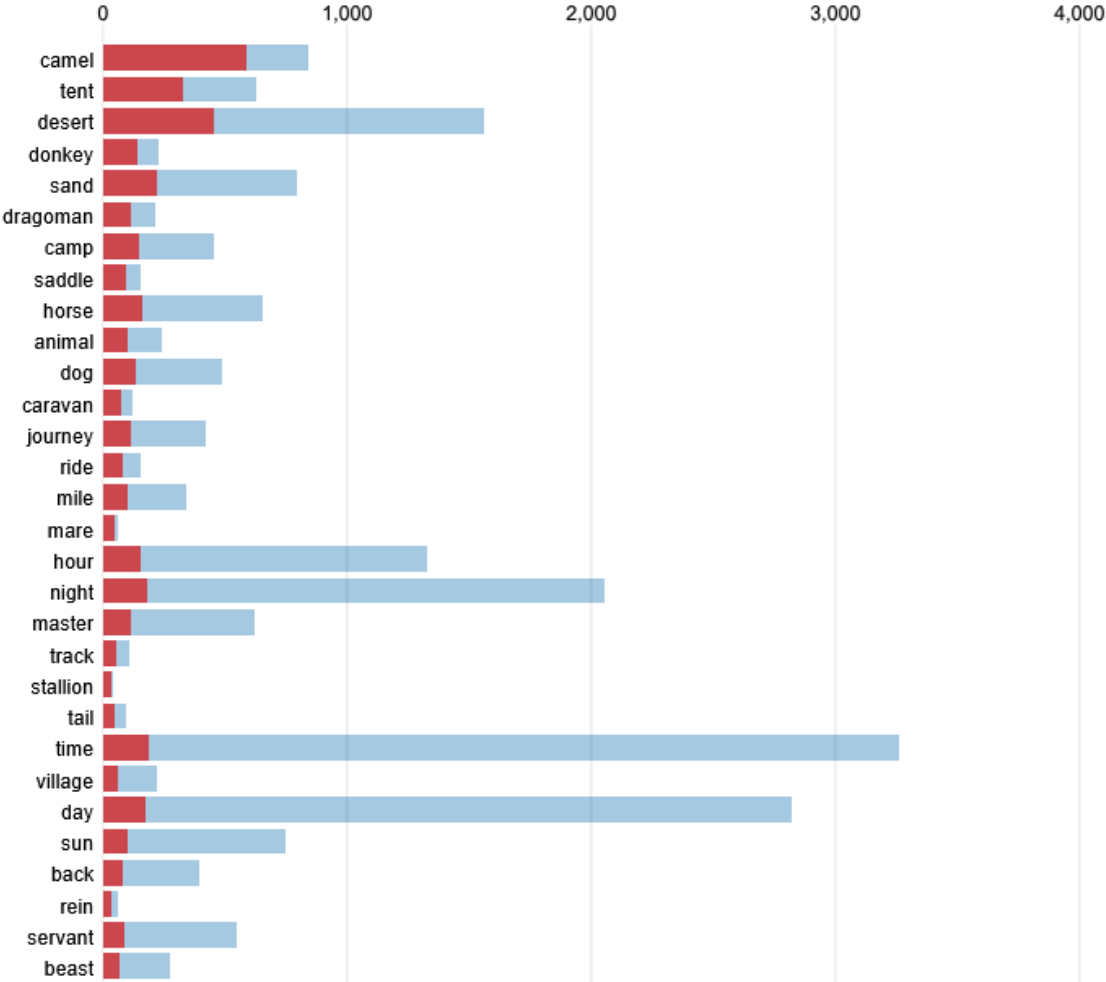
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



Top-30 Most Relevant Terms for Topic 14 (4.6% of tokens)

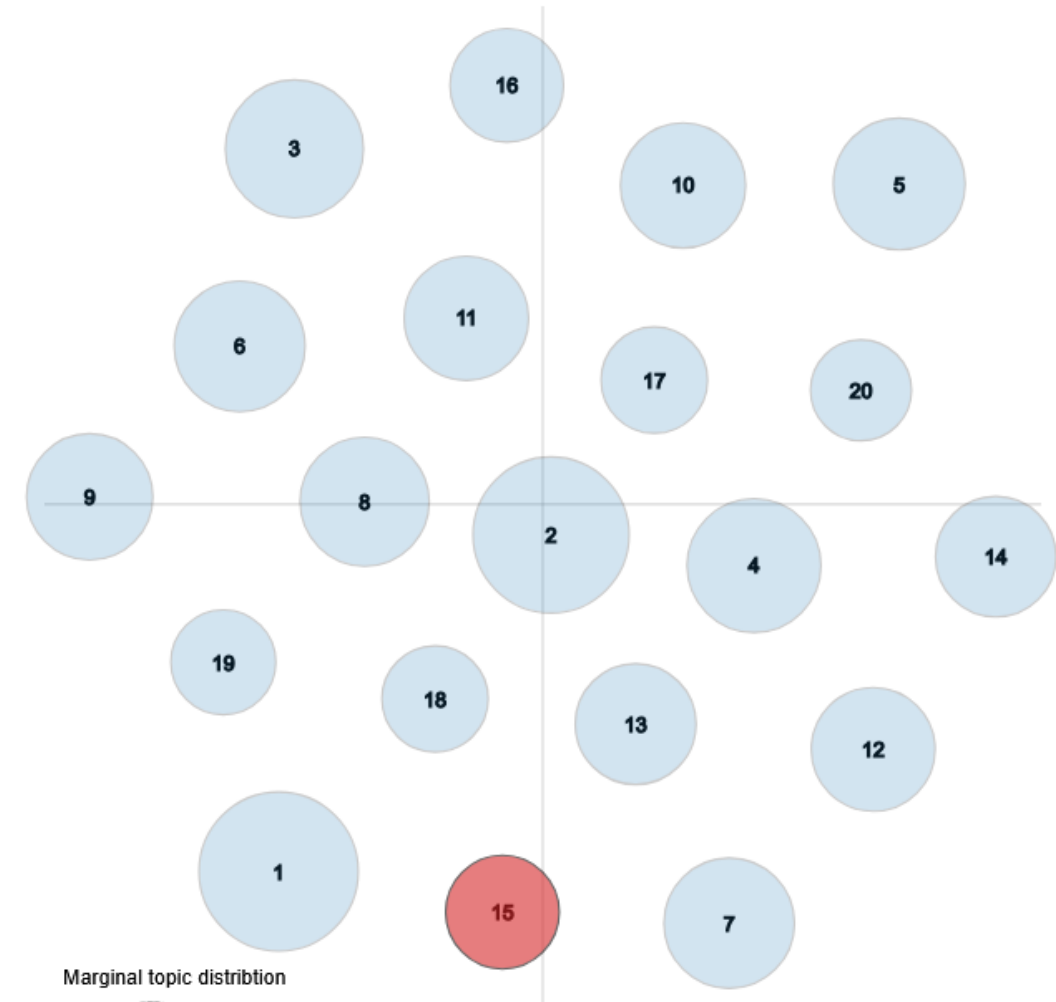


Overall term frequency

Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda$  \* p(w | t) + (1 -  $\lambda$ ) \* p(w | t)/p(w); see Sievert & Shirley (2014)

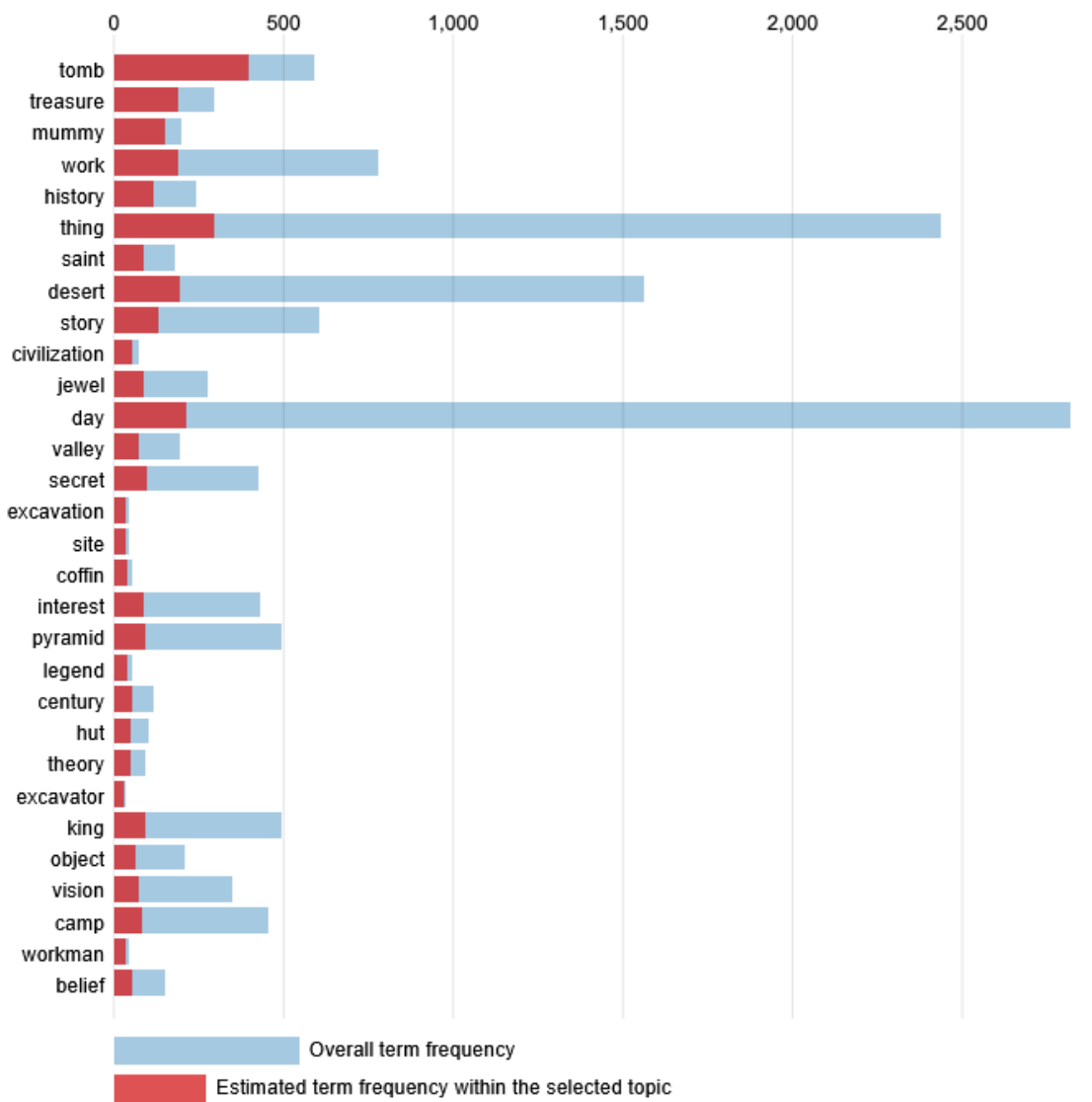
Intertopic Distance Map (via multidimensional scaling)



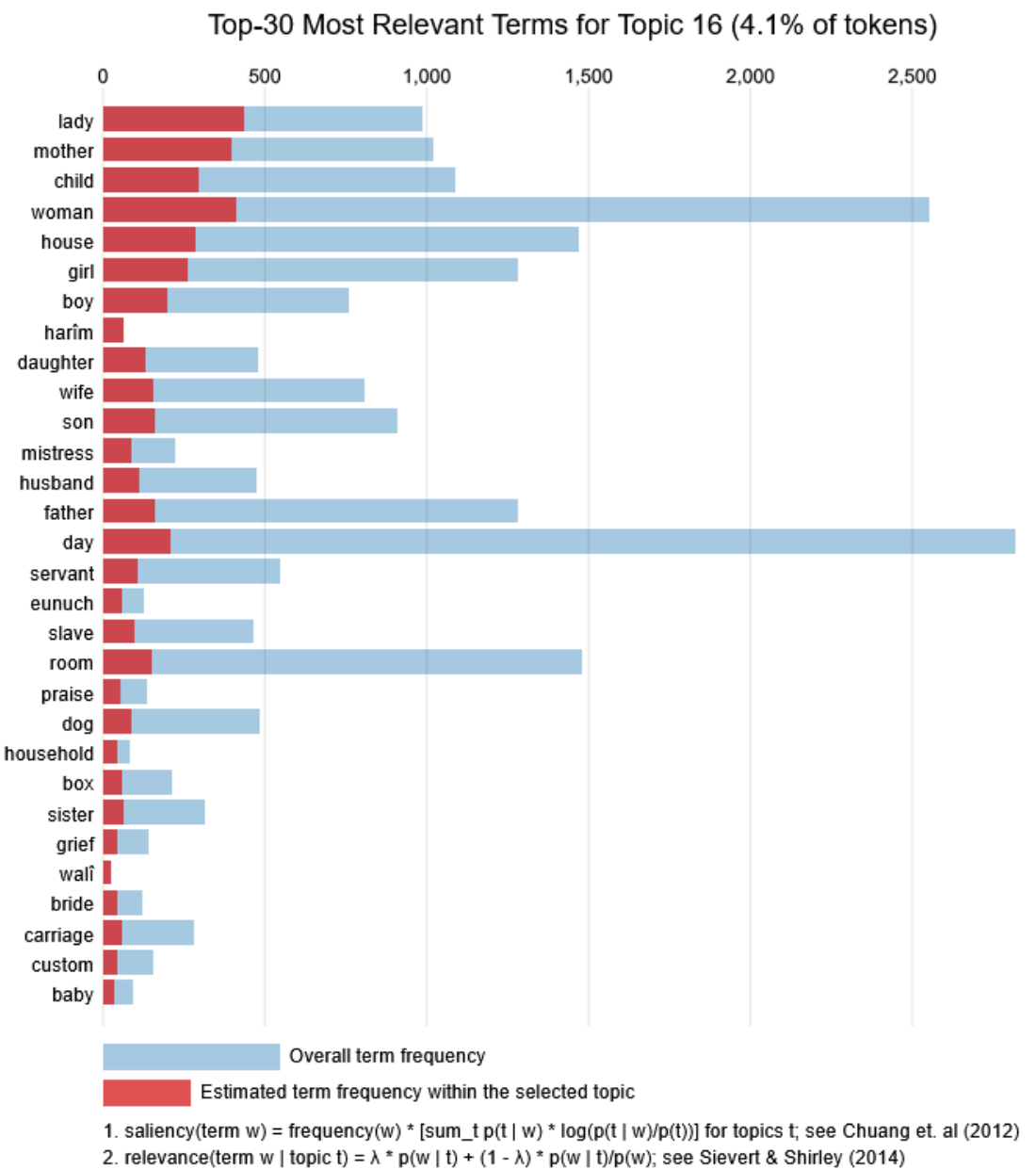
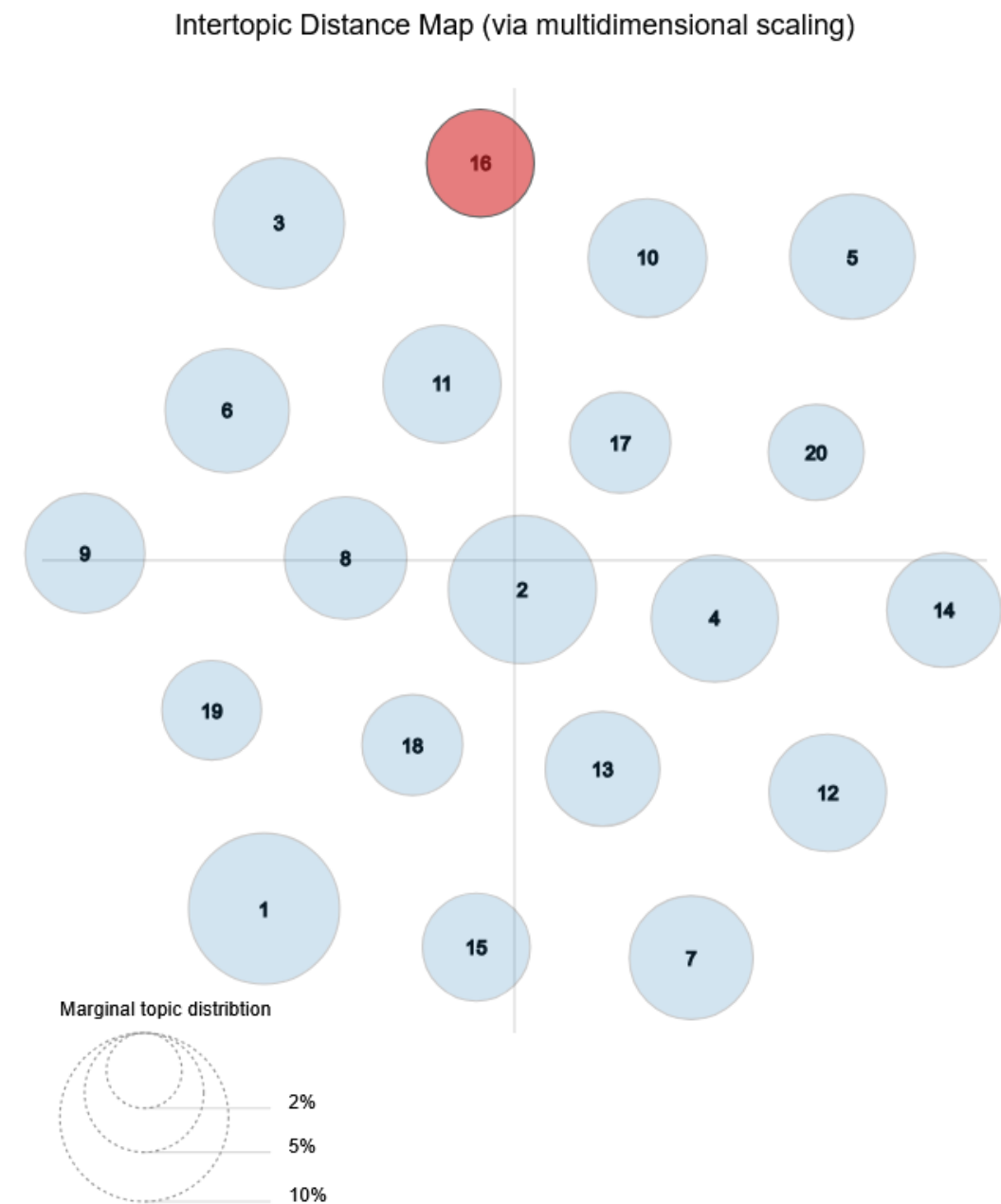
Marginal topic distribution



Top-30 Most Relevant Terms for Topic 15 (4.1% of tokens)



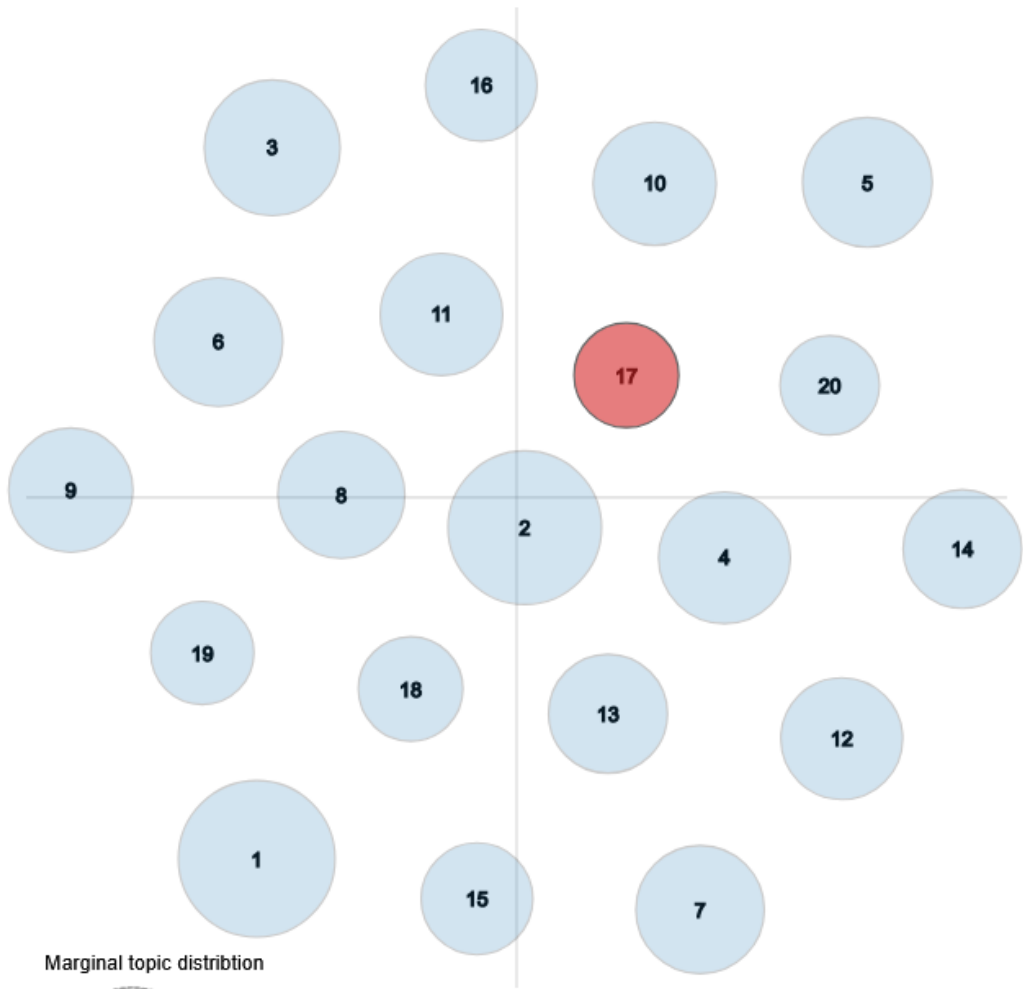
1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))]; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)



1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))]] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)



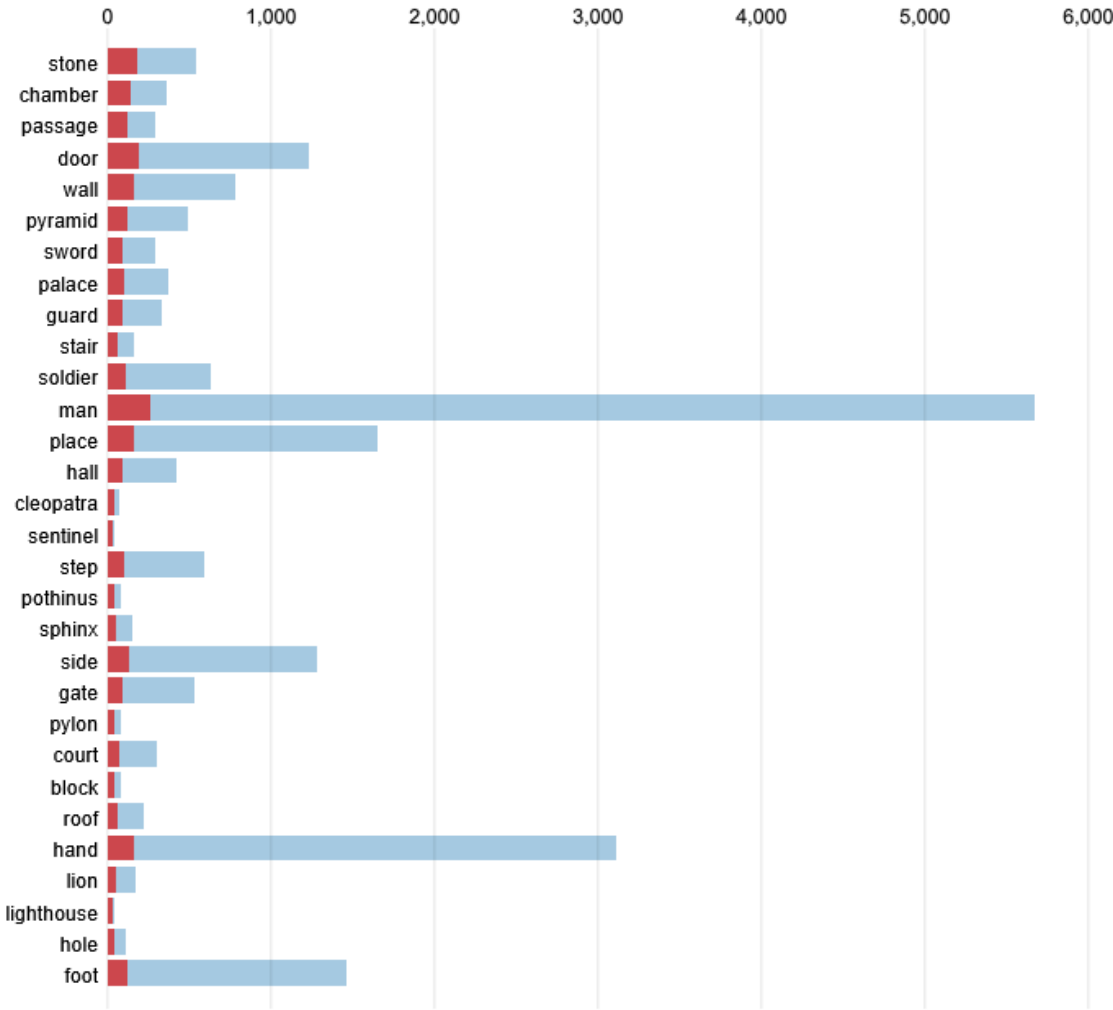
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



Top-30 Most Relevant Terms for Topic 17 (3.6% of tokens)



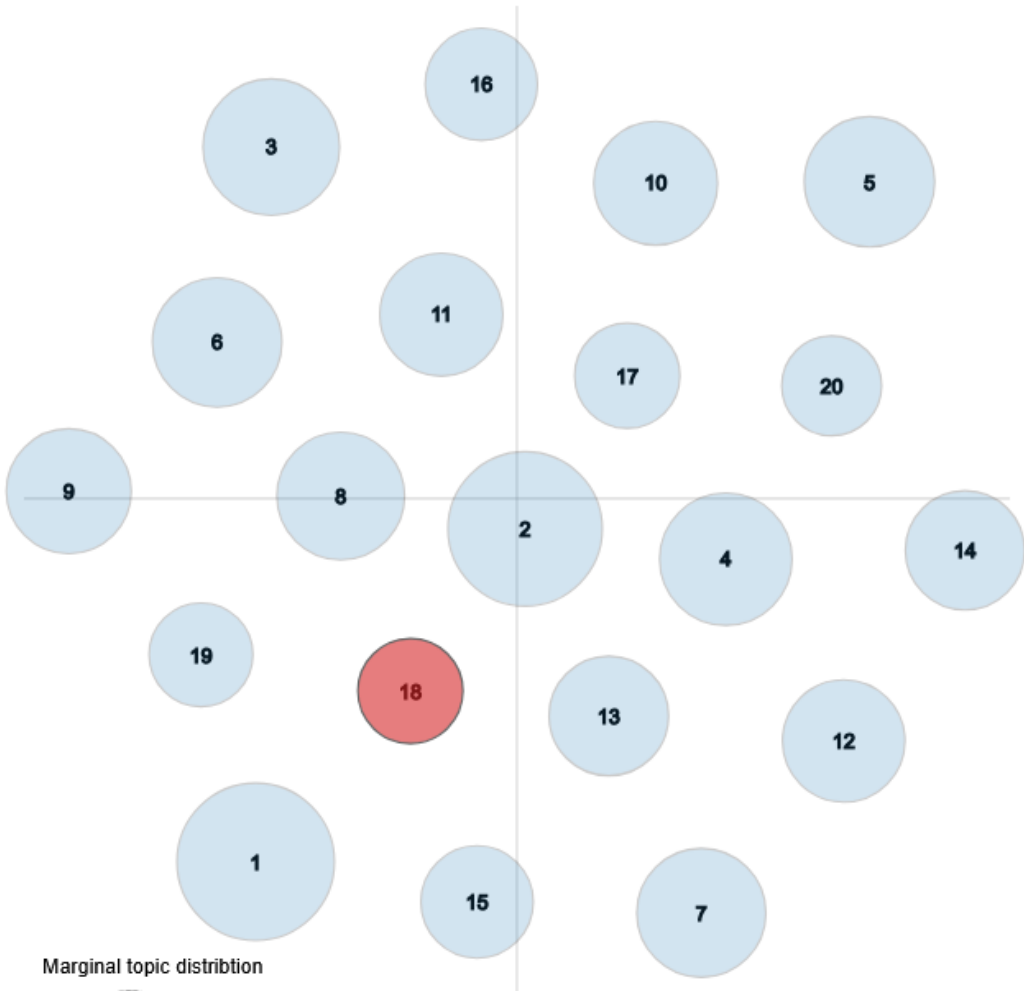
Overall term frequency

Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)

2. relevance(term w | topic t) =  $\lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

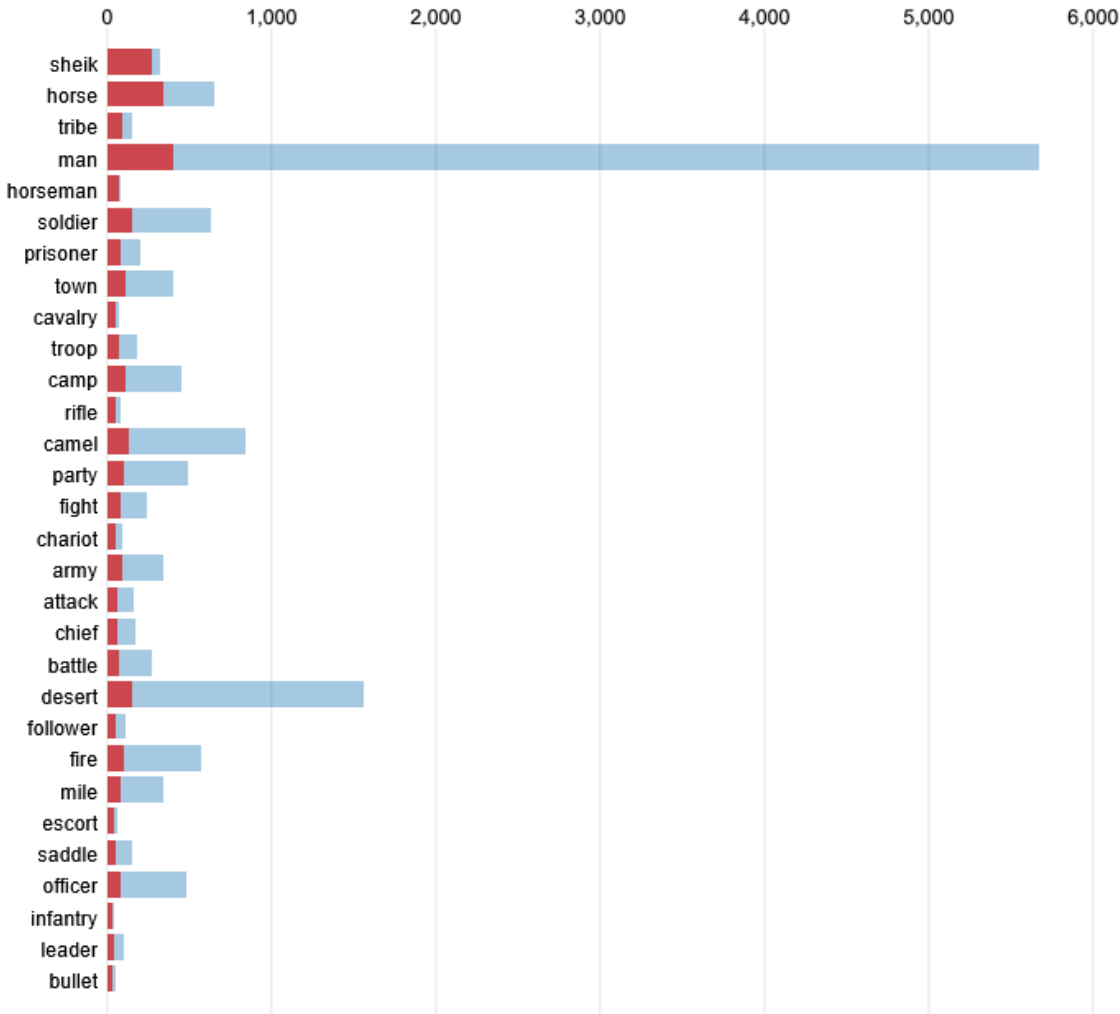
Intertopic Distance Map (via multidimensional scaling)



Marginal topic distribution



Top-30 Most Relevant Terms for Topic 18 (3.6% of tokens)



Overall term frequency  
Estimated term frequency within the selected topic

1.  $\text{saliency}(\text{term } w) = \text{frequency}(w) * [\sum_t p(t | w) * \log(p(t | w)/p(t))]$  for topics  $t$ ; see Chuang et. al (2012)  
2.  $\text{relevance}(\text{term } w | \text{topic } t) = \lambda * p(w | t) + (1 - \lambda) * p(w | t)/p(w)$ ; see Sievert & Shirley (2014)

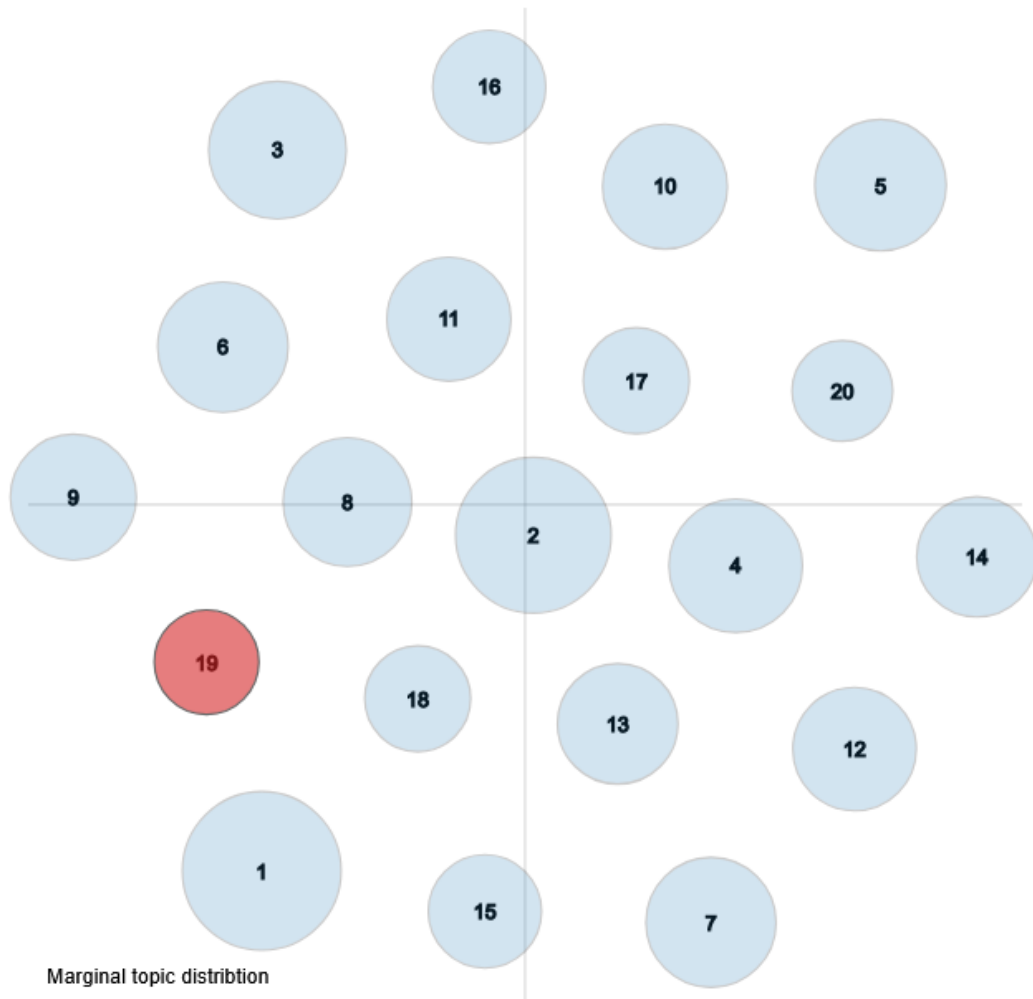
Selected Topic: 19 Previous Topic Next Topic Clear Topic

Slide to adjust relevance metric:<sup>(2)</sup>

 $\lambda = 0.6$ 

0.0 0.2 0.4 0.6 0.8 1.0

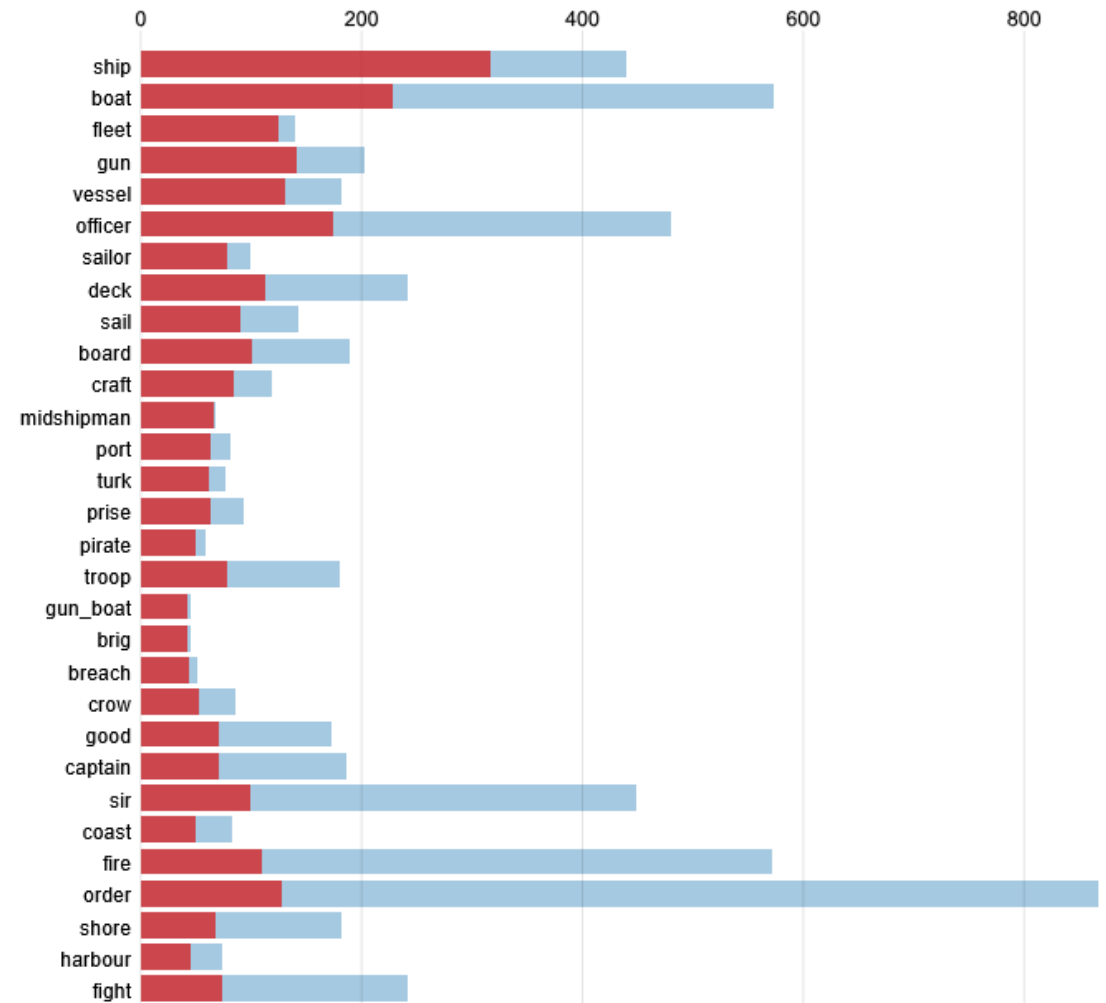
### Intertopic Distance Map (via multidimensional scaling)



### Marginal topic distribution



Top-30 Most Relevant Terms for Topic 19 (3.5% of tokens)



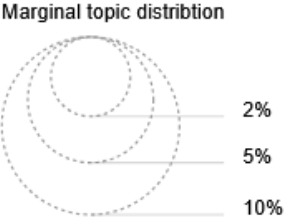
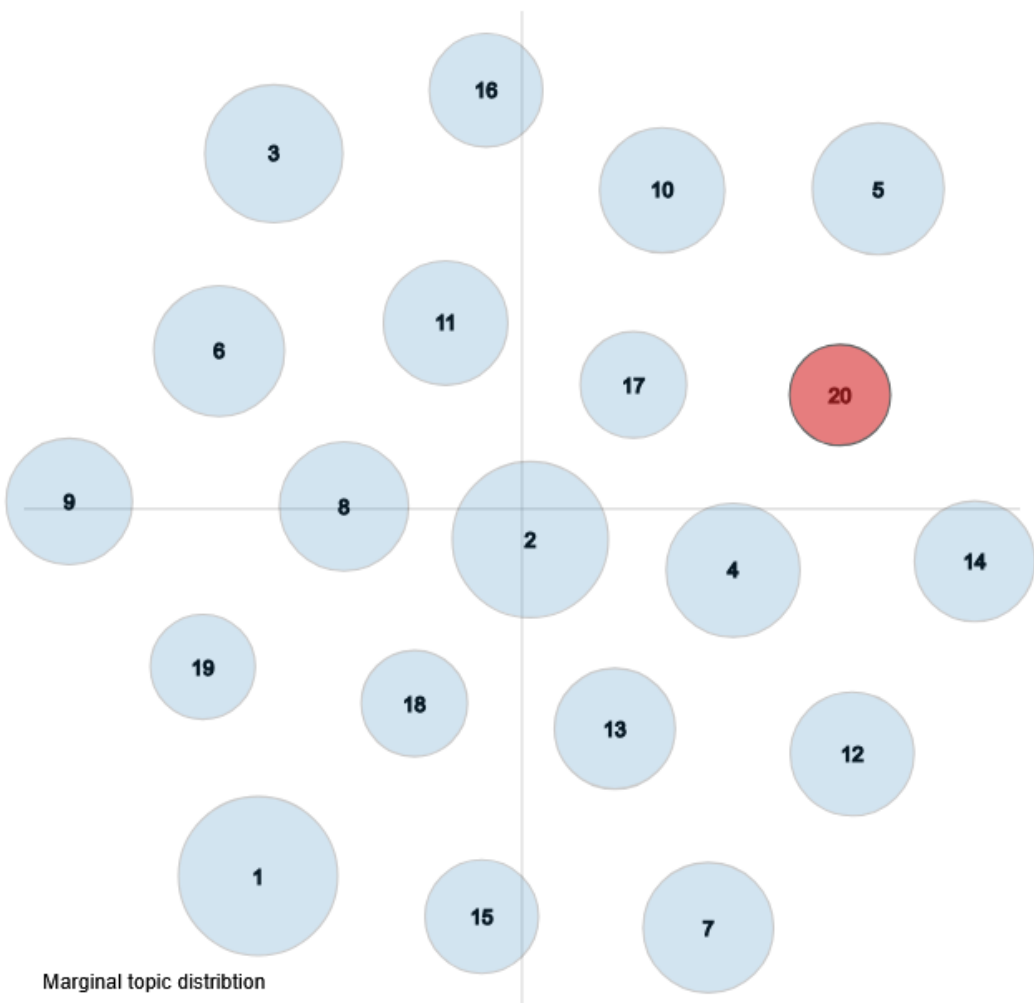
Overall term frequency

Estimated term frequency within the selected topic

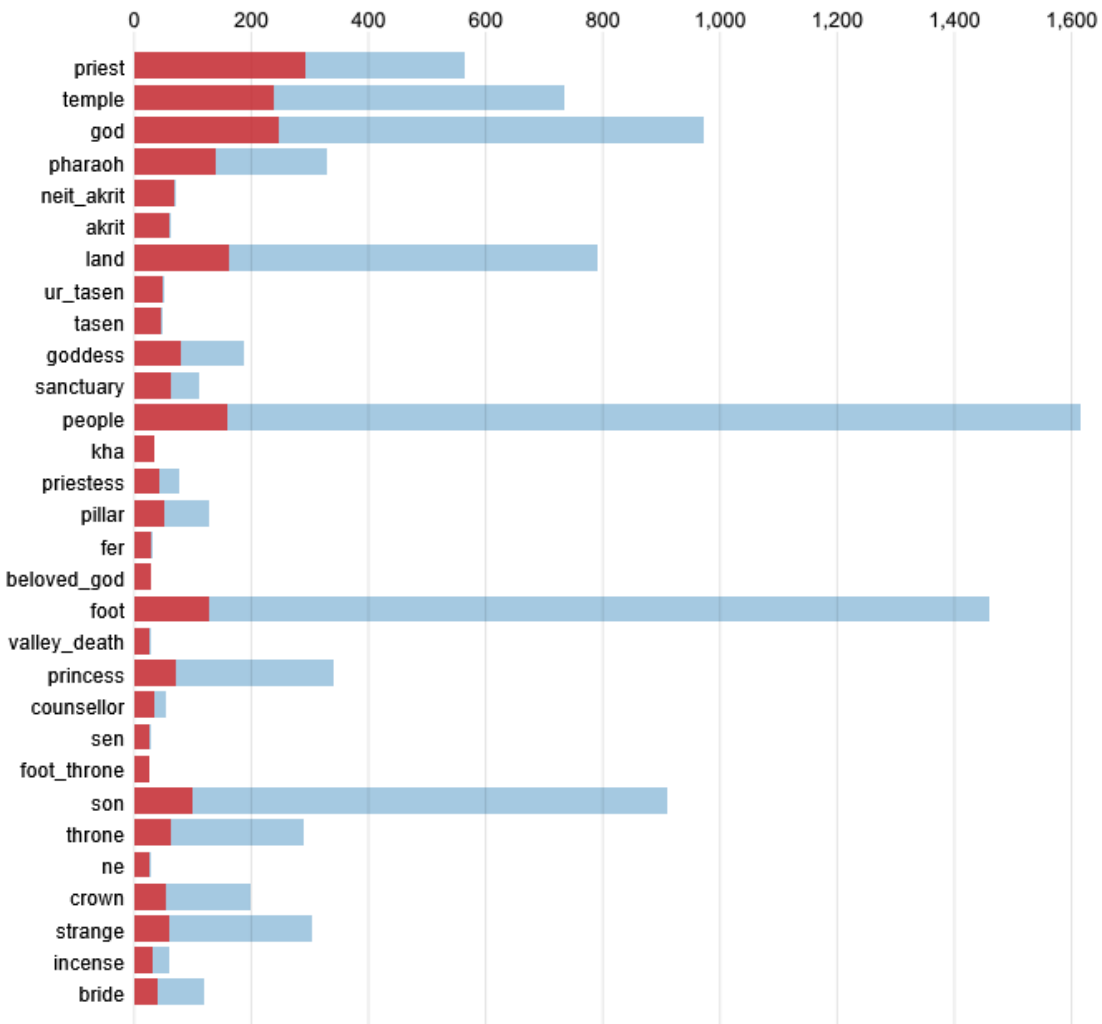
1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)

2.  $\text{relevance}(\text{term } w \mid \text{topic } t) = \lambda * p(w \mid t) + (1 - \lambda) * p(w \mid t)/p(w)$ ; see Sievert & Shirley (2014)

Intertopic Distance Map (via multidimensional scaling)

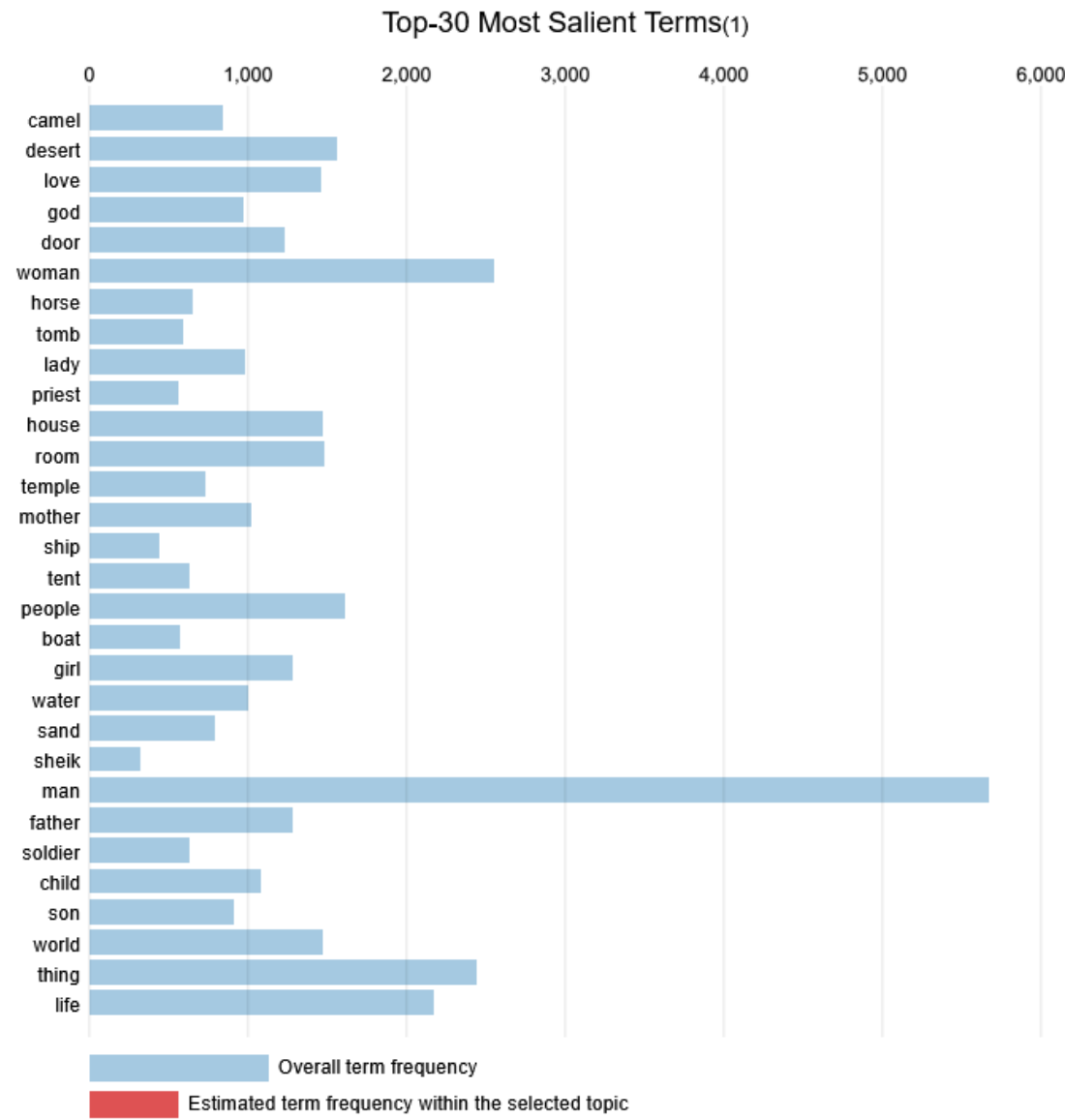
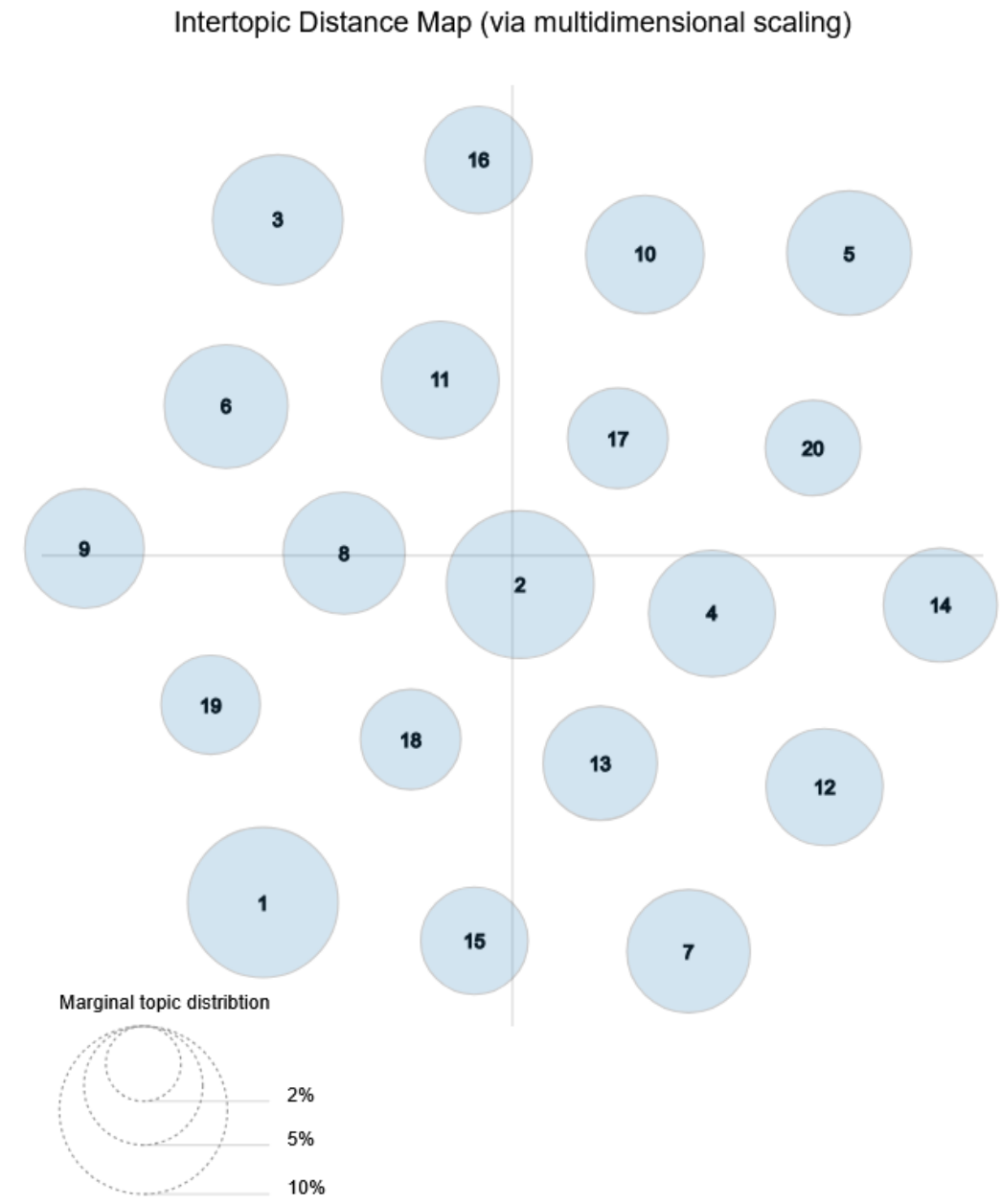


Top-30 Most Relevant Terms for Topic 20 (3.2% of tokens)



Overall term frequency  
Estimated term frequency within the selected topic

1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))]] for topics t; see Chuang et. al (2012)  
2. relevance(term w | topic t) =  $\lambda$  \* p(w | t) + (1 -  $\lambda$ ) \* p(w | t)/p(w); see Sievert & Shirley (2014)



1. saliency(term w) = frequency(w) \* [sum\_t p(t | w) \* log(p(t | w)/p(t))] for topics t; see Chuang et. al (2012)

2. relevance(term w | topic t) =  $\lambda$  \* p(w | t) + (1 -  $\lambda$ ) \* p(w | t)/p(w); see Sievert & Shirley (2014)