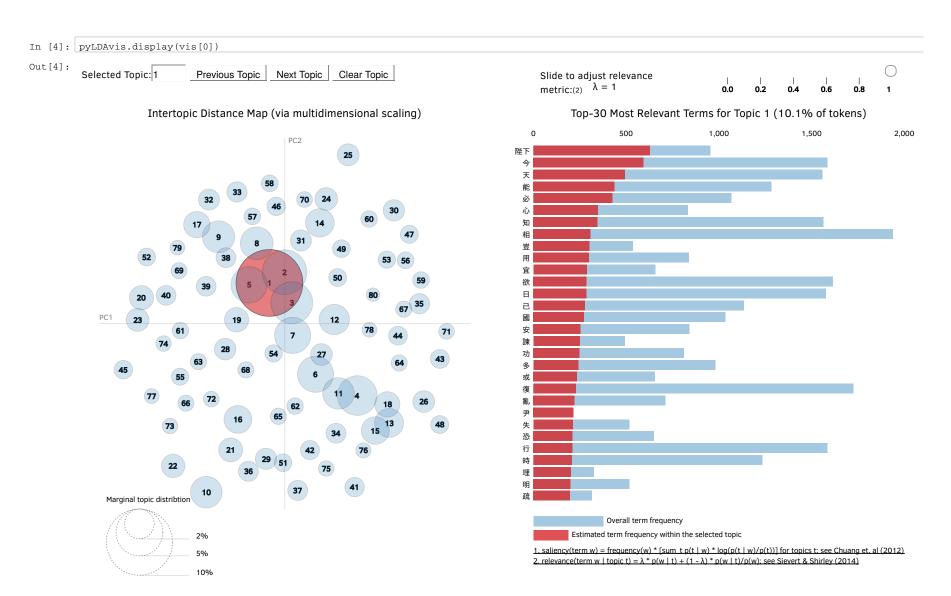
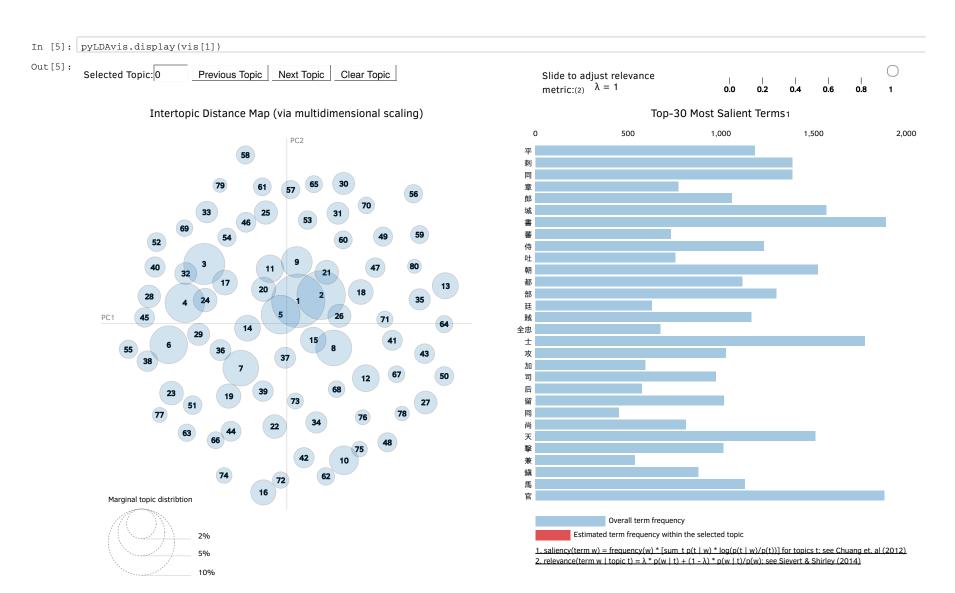
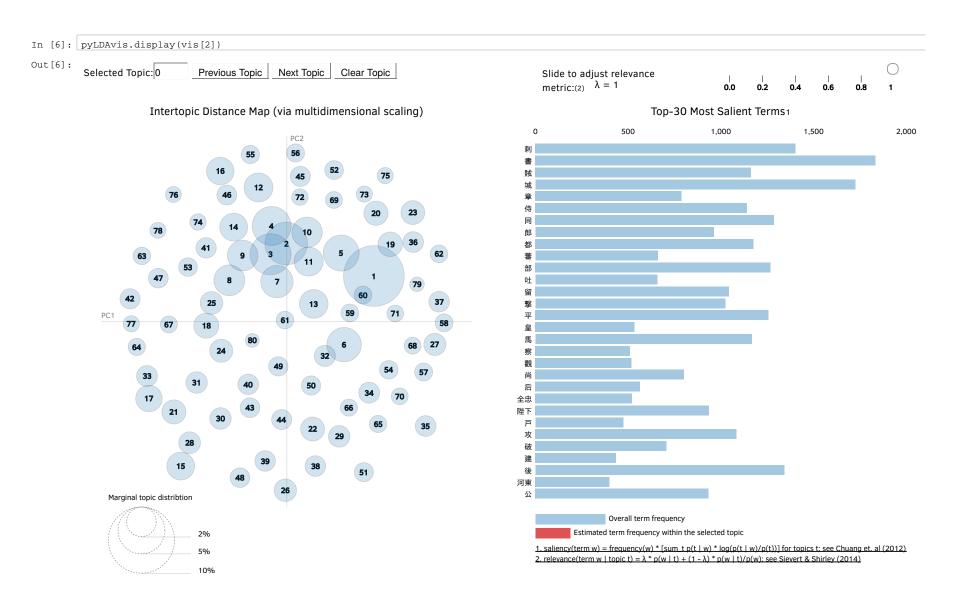
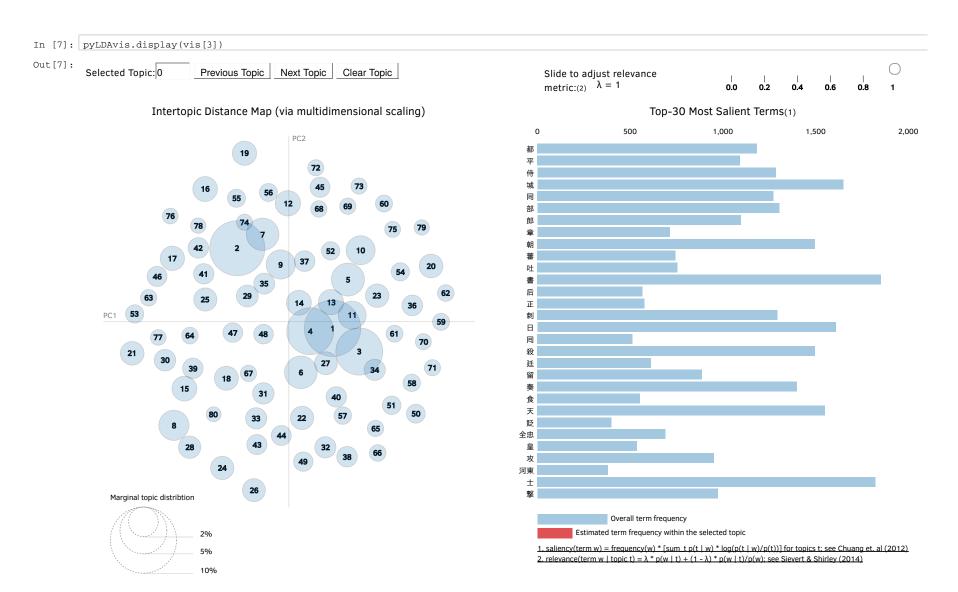
This notebook displays visualizations for 10 subsequent runs of a LDA training on the same corpus of data.

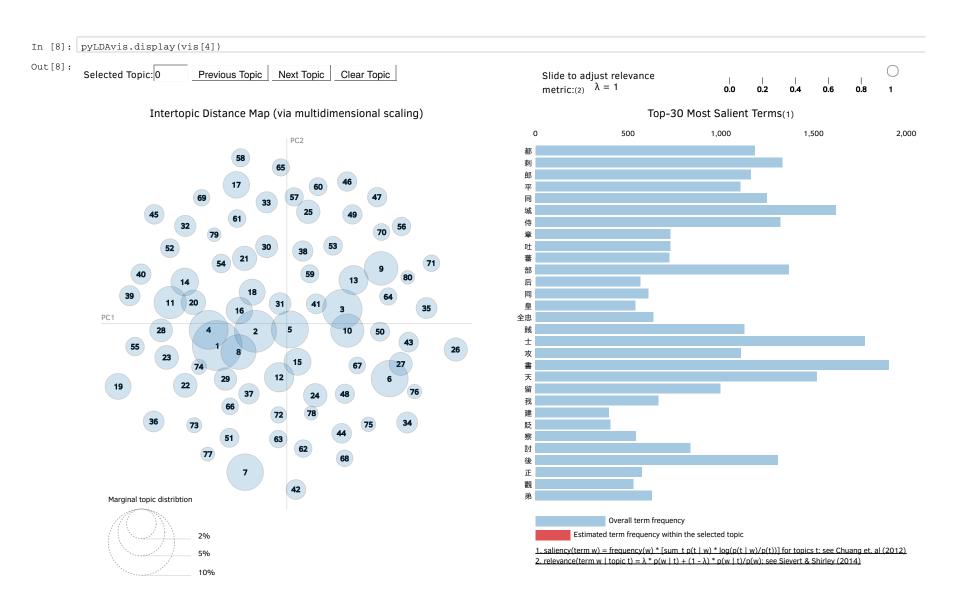
In [1]: from IPython.core.display import display, HTML
import ktm\_prepviz, pyLDAvis
vis = ktm\_prepviz.prepviz("rep\_gensim")

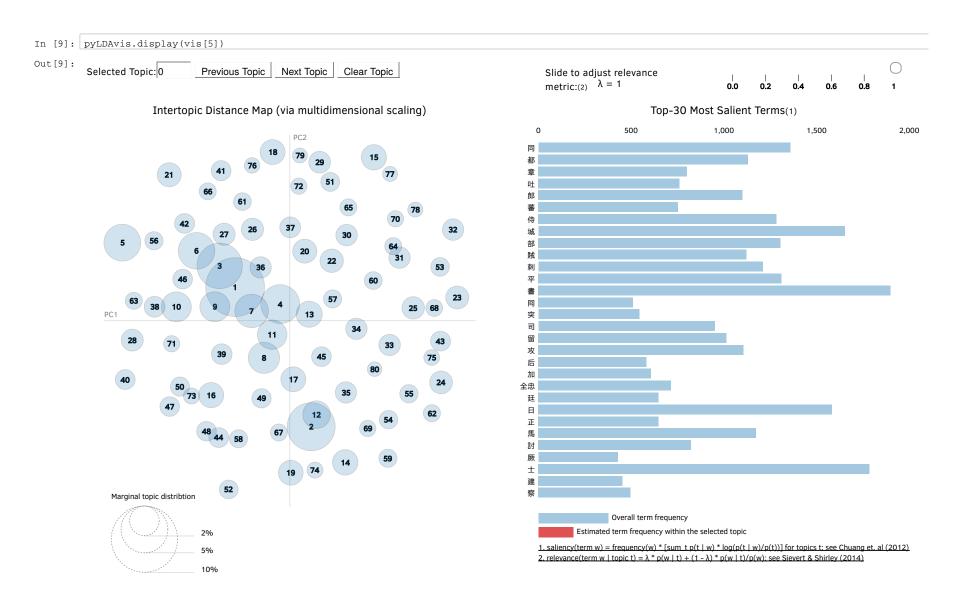


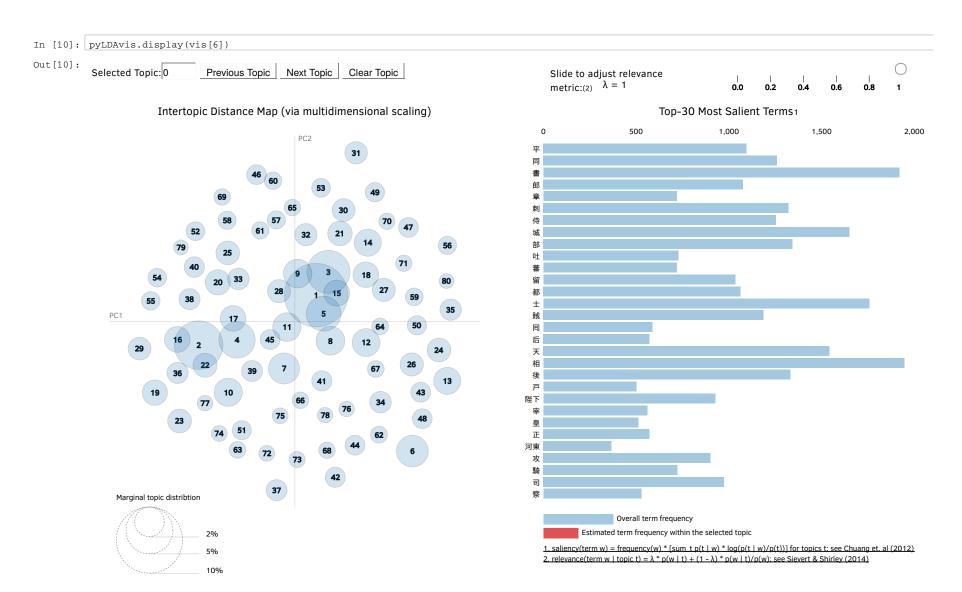


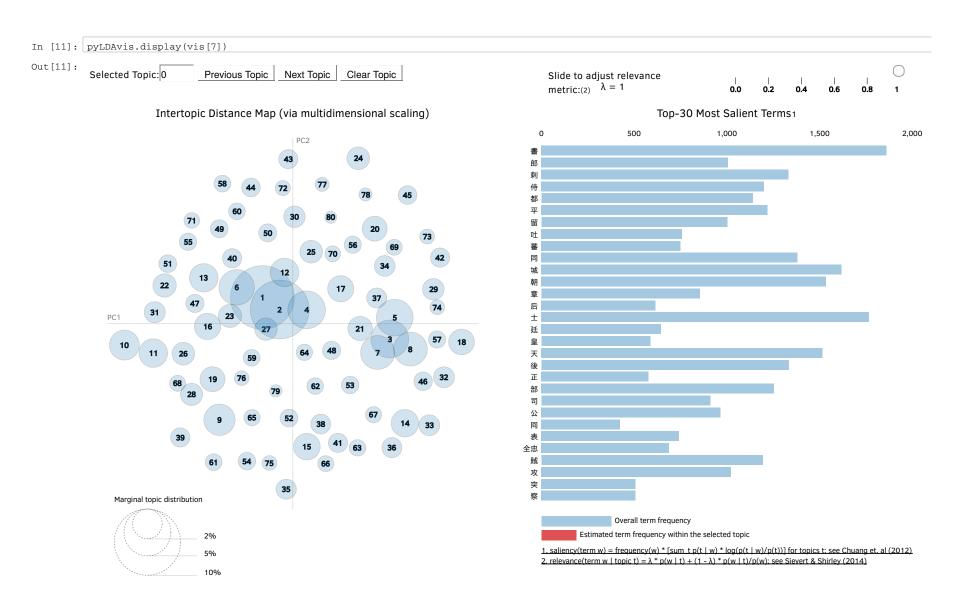


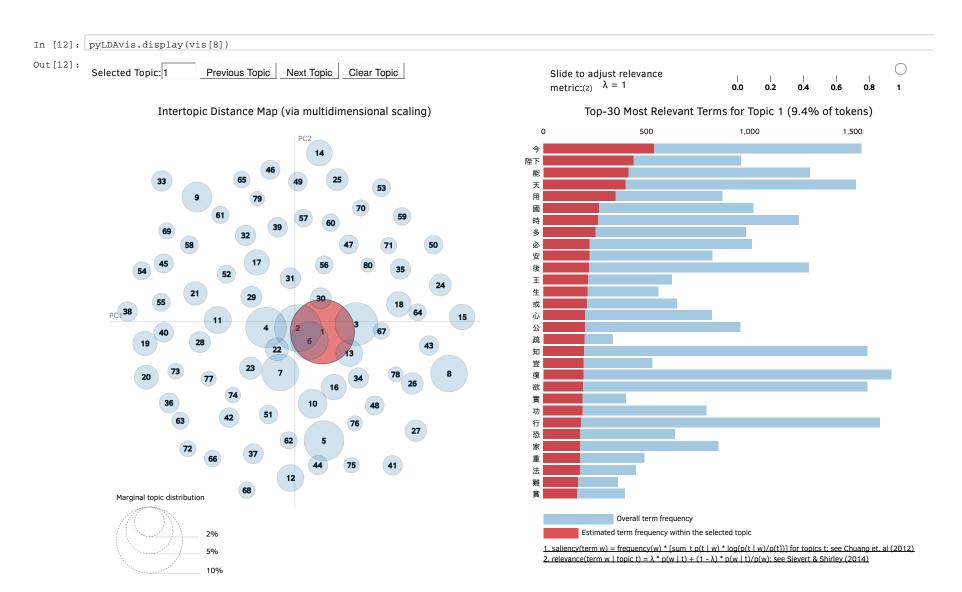


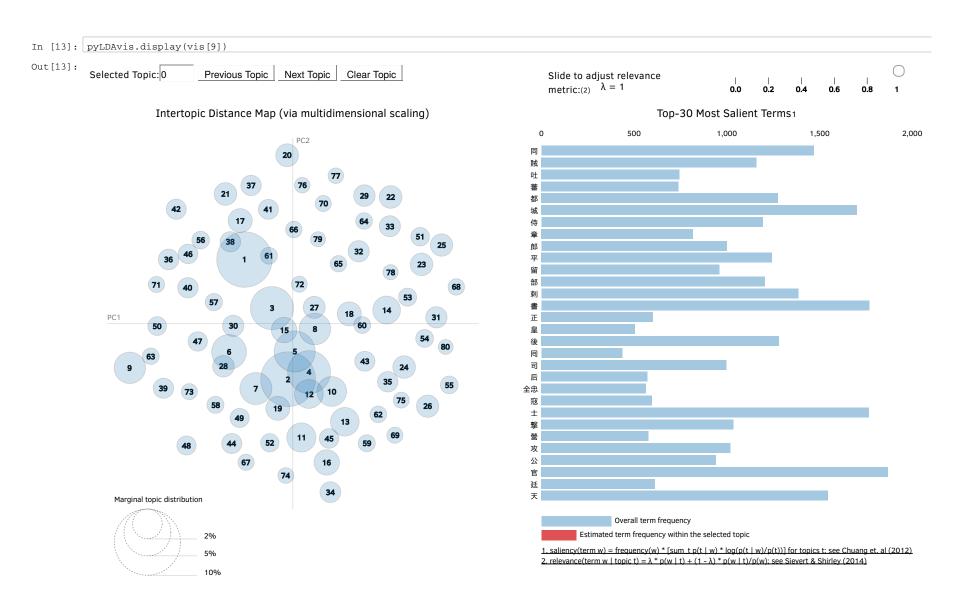










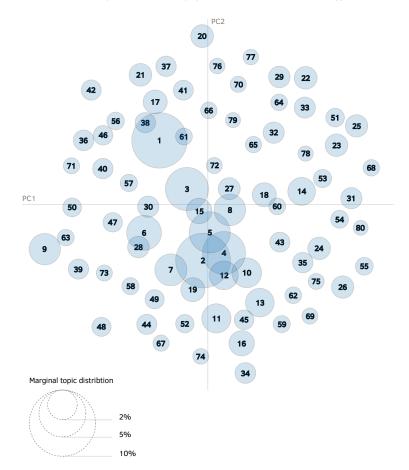


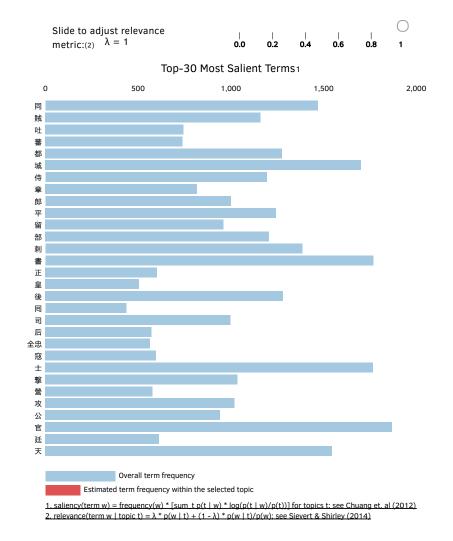
In [15]: from IPython.core.display import display, HTML
hdata = pyLDAvis.prepared\_data\_to\_html(vis[9])
display(HTML('<h1>The 9th run</h1>'+hdata))

## The 9th run

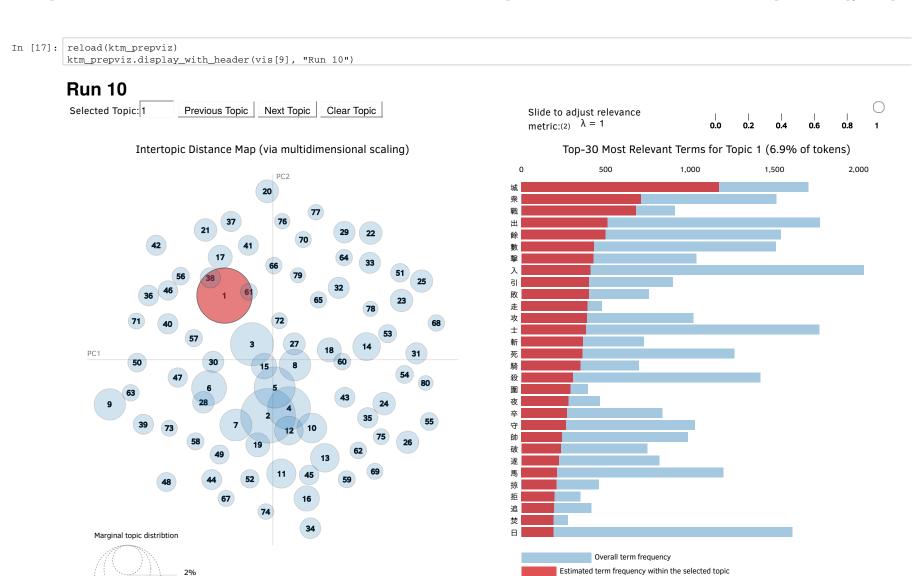
Selected Topic: 0 Previous Topic Next Topic Clear Topic

## Intertopic Distance Map (via multidimensional scaling)





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).



Visua	liztion	for	repeated	runs
v isua.	пиноп	101	repeated	i uiis

http://localhost:8888/notebooks/Visualiztion for repeated runs.ipynb#topic=1&lam...

In []: