

Beyond Performing Arts:

Network Structure and Collaboration Patterns

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ballet (Q15079786)
theatre work that uses ballet dancing



opera (Q1344)
artform combining sung text and musical score in a theatrical setting



PITTSBURGH
BALLET
THEATRE

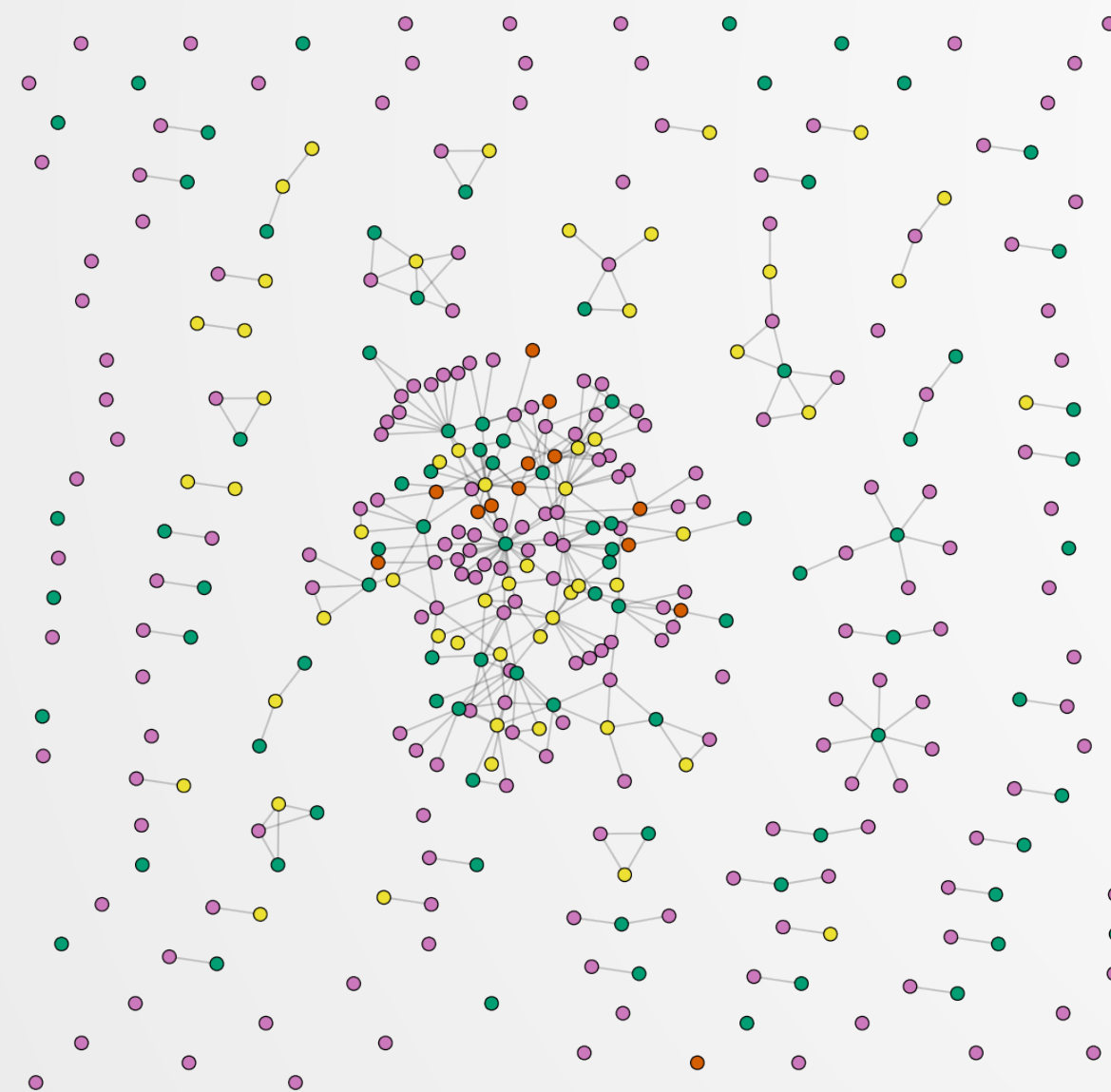
real-world network

```
Wikidata Query Service Examples Help More tools
1 ### get some properties
2 #Ballets
3 SELECT ?balletLabel ?composerLabel ?libretistLabel ?choreographerLabel ?first_performance
4         ?ballet ?composer ?libretist ?choreographer
5 WHERE
6 {
7   ?ballet wdt:P31 wd:Q15079786.
8   ?ballet wdt:P86 ?composer.
9   ?ballet wdt:P1191 ?first_performance.
10  ?ballet wdt:P87 ?libretist.
11  ?ballet wdt:P1809 ?choreographer.
12  SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE],en". }
13 }
```

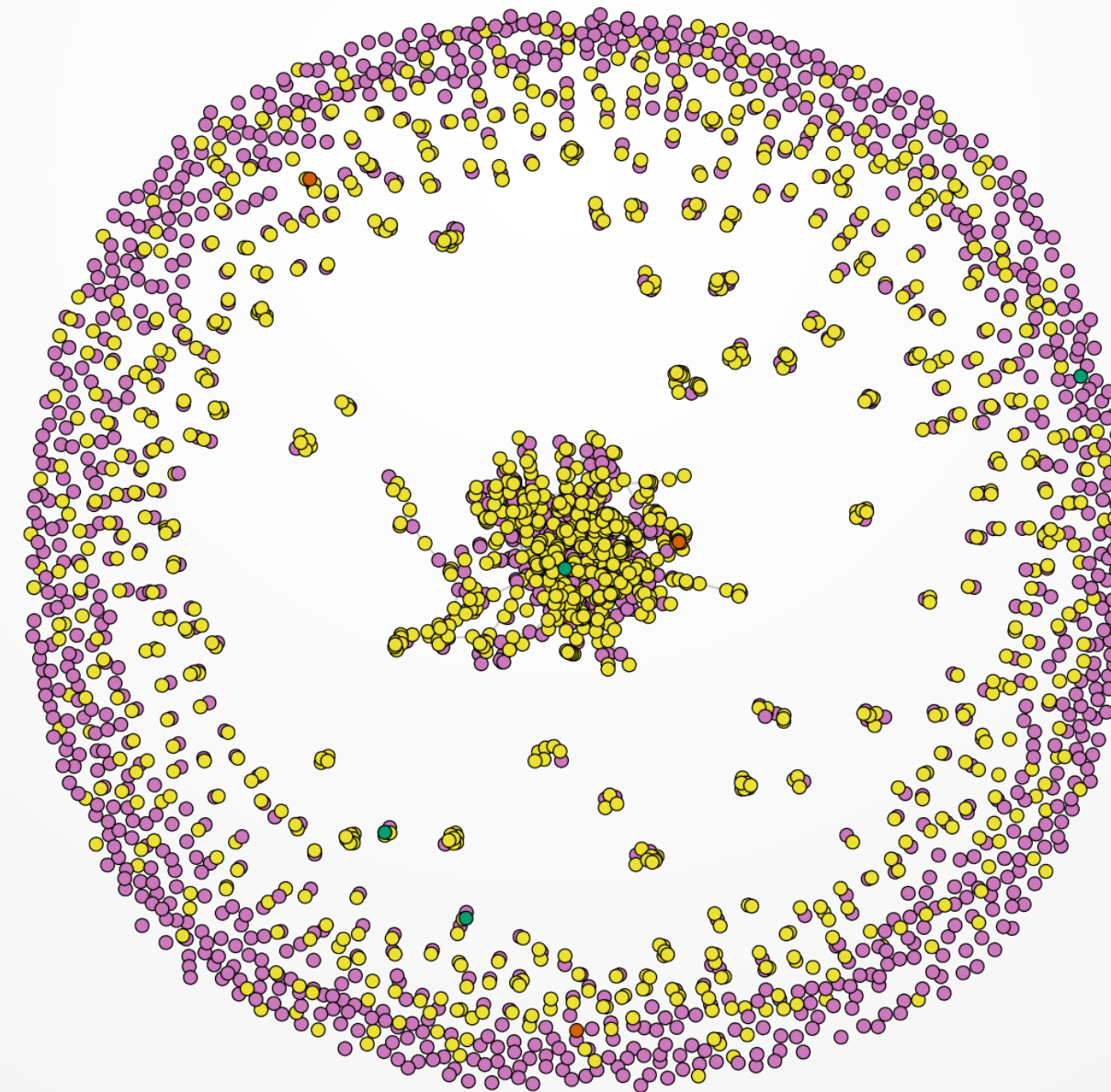
Network Structure

	Ballet	Opera	PBT
Artworks	462	4535	288
Artists (nodes)	349	2563	634
Collaborations (links)	324	1598	932
Mean of artworks per artist	2.41	2.93	4.37
Mean of artists per artwork	1.82	1.65	9.6
Giant component			
Artists (as proportion)	143 (40.97%)	740 (28.2%)	619 (97.63%)
Collaborations (as proportion)	288 (66.6%)	958 (59.9%)	922 (98.92%)

Ballet



Opera



PBT



● Choreographer
 ● Composer
 ● Costume designer
 ● Librettist