Beyond Performing Arts: Network Structure and Collaboration Patterns

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\textbf{ballet} (Q15079786)
\begin{itemize}
  \item theatre work that uses ballet dancing
\end{itemize}

\textbf{opera} (Q1344)
\begin{itemize}
  \item artform combining sung text and musical score in a theatrical setting
\end{itemize}

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```
1 # get some properties
2 #Ballets
4 WHERE
5 { ?ballet ?composerLabel .
8 ?ballet ?choreographerLabel .
9 SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE],en". }
10 }
```
### Network Structure

<table>
<thead>
<tr>
<th></th>
<th>Ballet</th>
<th>Opera</th>
<th>PBT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artworks</td>
<td>462</td>
<td>4535</td>
<td>288</td>
</tr>
<tr>
<td>Artists (nodes)</td>
<td>349</td>
<td>2563</td>
<td>634</td>
</tr>
<tr>
<td>Collaborations (links)</td>
<td>324</td>
<td>1598</td>
<td>932</td>
</tr>
<tr>
<td>Mean of artworks per artist</td>
<td>2.41</td>
<td>2.93</td>
<td>4.37</td>
</tr>
<tr>
<td>Mean of artists per artwork</td>
<td>1.82</td>
<td>1.65</td>
<td>9.6</td>
</tr>
</tbody>
</table>

#### Giant component

<table>
<thead>
<tr>
<th></th>
<th>Ballet</th>
<th>Opera</th>
<th>PBT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artists (as proportion)</td>
<td>143 (40.97%)</td>
<td>740 (28.2%)</td>
<td>619 (97.63%)</td>
</tr>
<tr>
<td>Collaborations (as proportion)</td>
<td>288 (66.6%)</td>
<td>958 (59.9%)</td>
<td>922 (98.92%)</td>
</tr>
</tbody>
</table>

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[Diagram of network structure for Ballet, Opera, and PBT, with different colors for Choreographer, Composer, Costume designer, and Librettist]