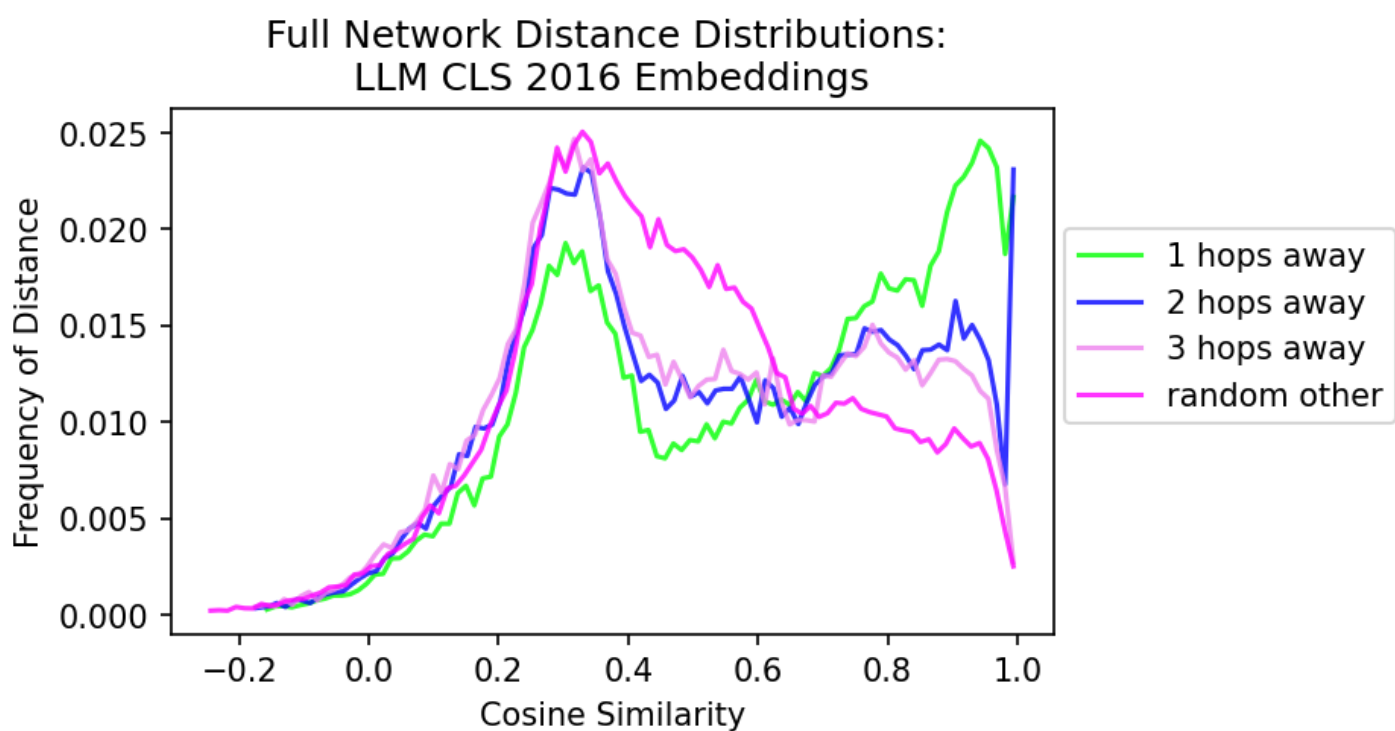
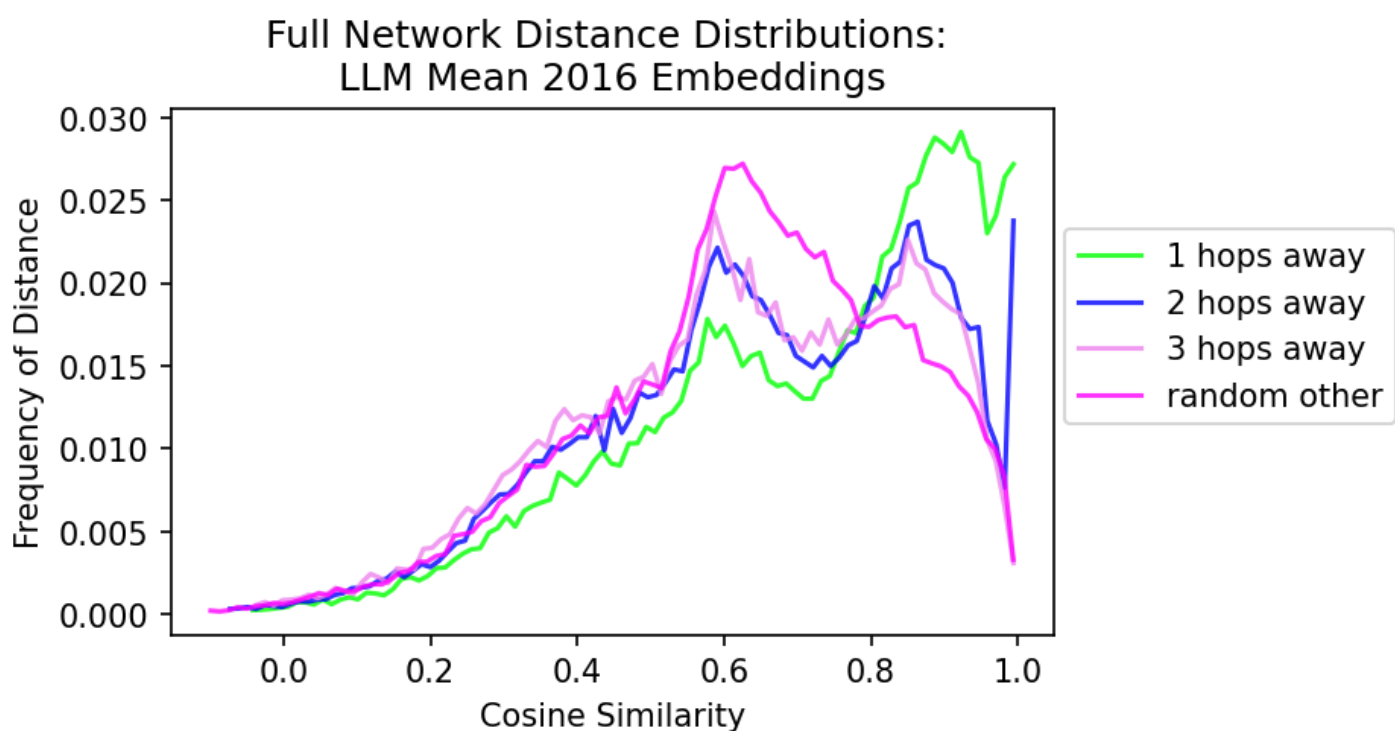


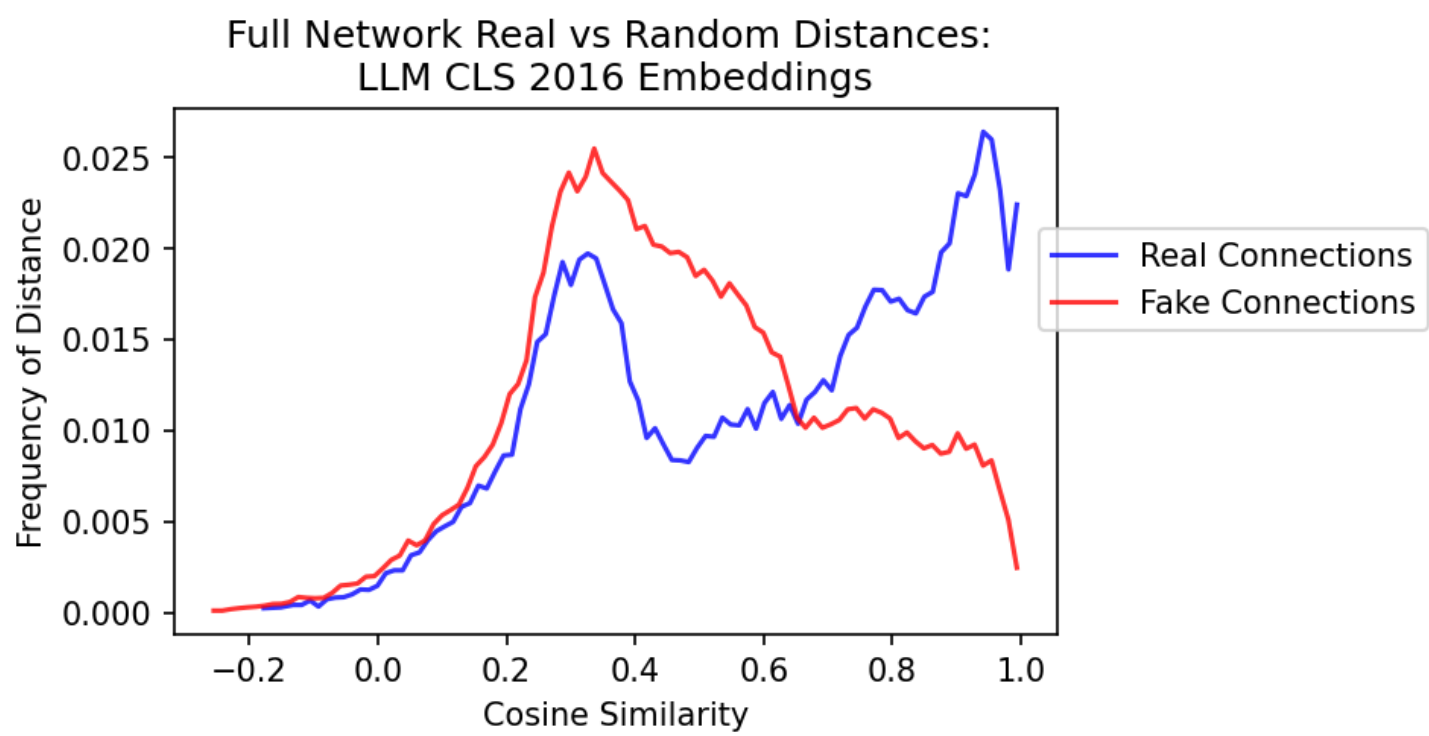
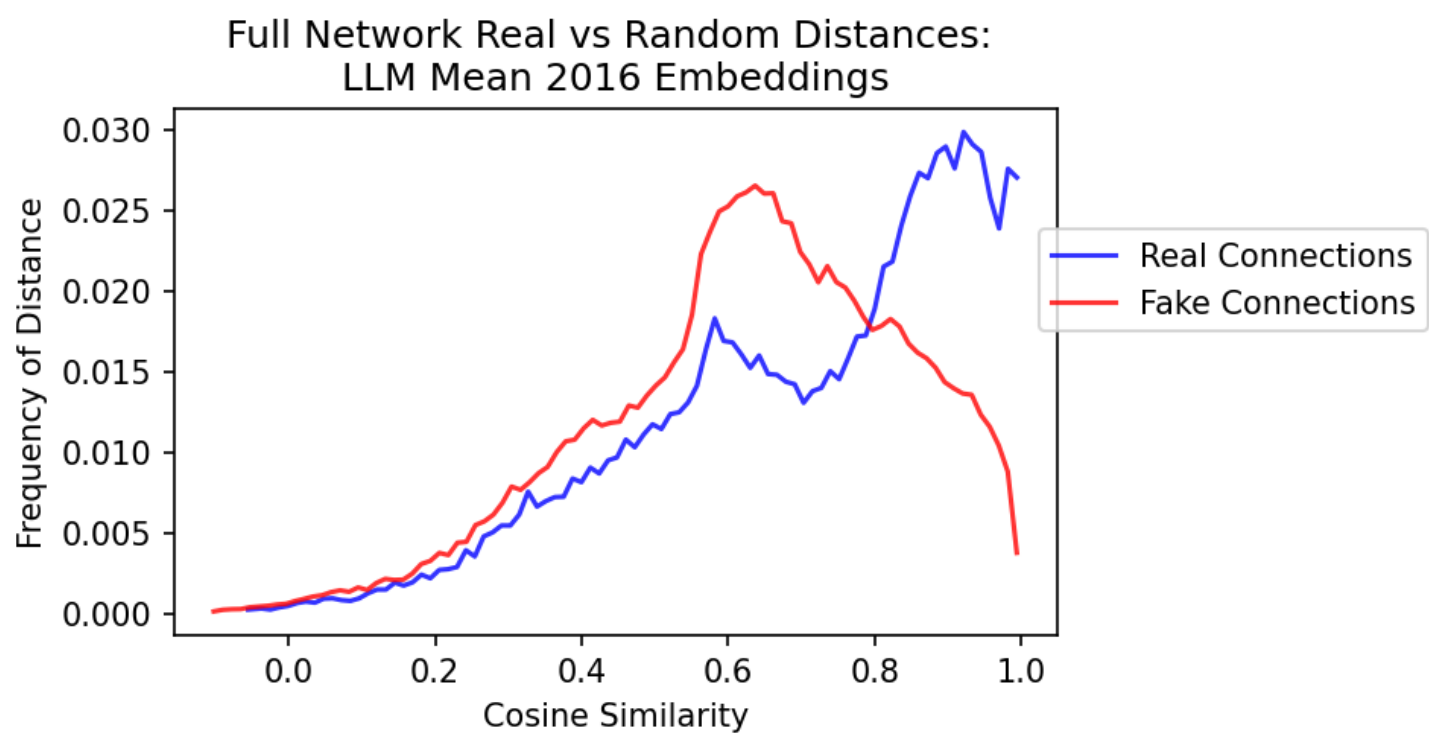
# 0. Embedding Descriptions/Comparisons

	<i>LLM Mean 2016</i>	<i>LLM CLS 2016</i>
<i>type</i>	LLM	LLM
<i>year</i>	2016	2016
<i>n_samples</i>	304787	304787
<i>dimensions</i>	280	280

# 1. Distance Distributions by Hop



## 2. Distance Distributions: Real vs Fake Connections



### 3. Prediction - Income at Age 30 (R^2)

	<i>LLM Mean 2016</i>	<i>LLM Mean 2016 + Base</i>	<i>Baseline</i>	<i>LLM CLS 2016</i>	<i>LLM CLS 2016 + Base</i>
<b>2011</b>	0.42	0.414	-0.009	<b>0.435</b>	0.422
<b>2012</b>	0.422	<b>0.466</b>	-0.007	0.433	0.439
<b>2013</b>	0.574	<b>0.606</b>	-0.004	0.542	0.551
<b>2014</b>	<b>0.647</b>	0.632	-0.002	0.496	0.511
<b>2015</b>	0.698	<b>0.701</b>	-0.002	0.609	0.582
<b>2016</b>	<b>0.648</b>	0.646	-0.001	0.527	0.521
<b>2017</b>	0.406	<b>0.517</b>	-0.0	0.301	0.306
<b>2018</b>	<b>0.455</b>	0.432	-0.001	0.336	0.31
<b>2019</b>	0.281	<b>0.376</b>	-0.0	0.262	0.294
<b>2020</b>	<b>0.254</b>	0.235	-0.001	0.196	0.194
<b>2021</b>	0.154	<b>0.158</b>	-0.002	0.124	0.137
<b>OVERALL</b>	<b>0.343</b>	0.336	0.013	0.259	0.285

Test Counts

	<i>LLM Mean 2016</i>	<i>LLM Mean 2016 + Base</i>	<i>LLM CLS 2016</i>	<i>LLM CLS 2016 + Base</i>
<b>2011</b>	879	812	879	812
<b>2012</b>	970	890	970	890
<b>2013</b>	1089	995	1089	995
<b>2014</b>	1253	1137	1253	1137
<b>2015</b>	1424	1301	1424	1301
<b>2016</b>	1602	1469	1602	1469
<b>2017</b>	1706	1589	1706	1589
<b>2018</b>	1787	1667	1787	1667
<b>2019</b>	1869	1751	1869	1751
<b>2020</b>	2005	1893	2005	1893
<b>2021</b>	2018	1915	2018	1915

<b>OVERALL</b>	16602	15419	16602	15419
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# 5. Prediction - Marriage (R^2)

## 5.1 Binary Prediction (Real vs. Fake Pairs)

	<i>LLM Mean 2016</i>	<i>LLM Mean 2016 + Base</i>	<i>Baseline</i>	<i>LLM CLS 2016</i>	<i>LLM CLS 2016 + Base</i>
<b>2011</b>	<b>0.973</b>	-0.012	-0.005	0.968	-0.032
<b>2012</b>	<b>0.972</b>	-0.017	-0.005	0.971	-0.027
<b>2013</b>	<b>0.976</b>	-0.024	-0.002	0.968	-0.014
<b>2014</b>	0.97	-0.032	-0.004	<b>0.972</b>	-0.03
<b>2015</b>	0.961	-0.05	-0.003	<b>0.97</b>	-0.034
<b>2016</b>	<b>0.97</b>	-0.06	-0.008	0.966	-0.065
<b>2017</b>	0.961	-0.04	-0.004	<b>0.967</b>	-0.047
<b>2018</b>	<b>0.97</b>	-0.044	-0.001	0.965	-0.027
<b>2019</b>	<b>0.965</b>	-0.053	-0.003	0.959	-0.035
<b>2020</b>	0.952	-0.016	-0.007	<b>0.968</b>	-0.046
<b>2021</b>	<b>0.961</b>	-0.032	-0.004	0.957	-0.033
<b>OVERALL</b>	-0.032	-0.032	<b>0.001</b>	-0.027	-0.03

### Test Counts

	<i>LLM Mean 2016</i>	<i>LLM Mean 2016 + Base</i>	<i>LLM CLS 2016</i>	<i>LLM CLS 2016 + Base</i>
<b>2011</b>	391	357	391	357
<b>2012</b>	436	402	436	402
<b>2013</b>	400	373	400	373
<b>2014</b>	414	392	414	392
<b>2015</b>	422	402	422	402
<b>2016</b>	433	410	433	410
<b>2017</b>	455	440	455	440
<b>2018</b>	451	439	451	439
<b>2019</b>	444	430	444	430

<b>2020</b>	335	322	335	322
<b>2021</b>	344	324	344	324
<b>OVERALL</b>	5431	5136	5431	5136

5.2 Actual Partner Rank vs. Random Pairings

	<i>LLM Mean 2016</i>	<i>LLM CLS 2016</i>
<i>2011</i>	<b>28.918</b>	27.107
<i>2012</i>	<b>29.754</b>	28.304
<i>2013</i>	<b>31.5</b>	29.596
<i>2014</i>	<b>28.671</b>	27.777
<i>2015</i>	<b>31.089</b>	29.78
<i>2016</i>	30.04	<b>30.498</b>
<i>2017</i>	30.376	<b>30.395</b>
<i>2018</i>	<b>30.13</b>	30.051
<i>2019</i>	30.189	<b>31.254</b>
<i>2020</i>	29.285	<b>29.916</b>
<i>2021</i>	<b>29.932</b>	29.894
<i>OVERALL</i>	<b>29.668</b>	29.216