0. Embedding Descriptions/Comparisons

	Gr 2016	*Gr 2018*	*Gr 2020*
type	NET	NET	NET
year	2016	2018	2020
n_samples	212501	212596	213905
dimensions	128	128	128

1. Distance Distributions by Hop

Gron Network Distance Distributions:
Gr 2016 Embeddings

Gron Network Distance Distributions:
Gr 2018 Embeddings
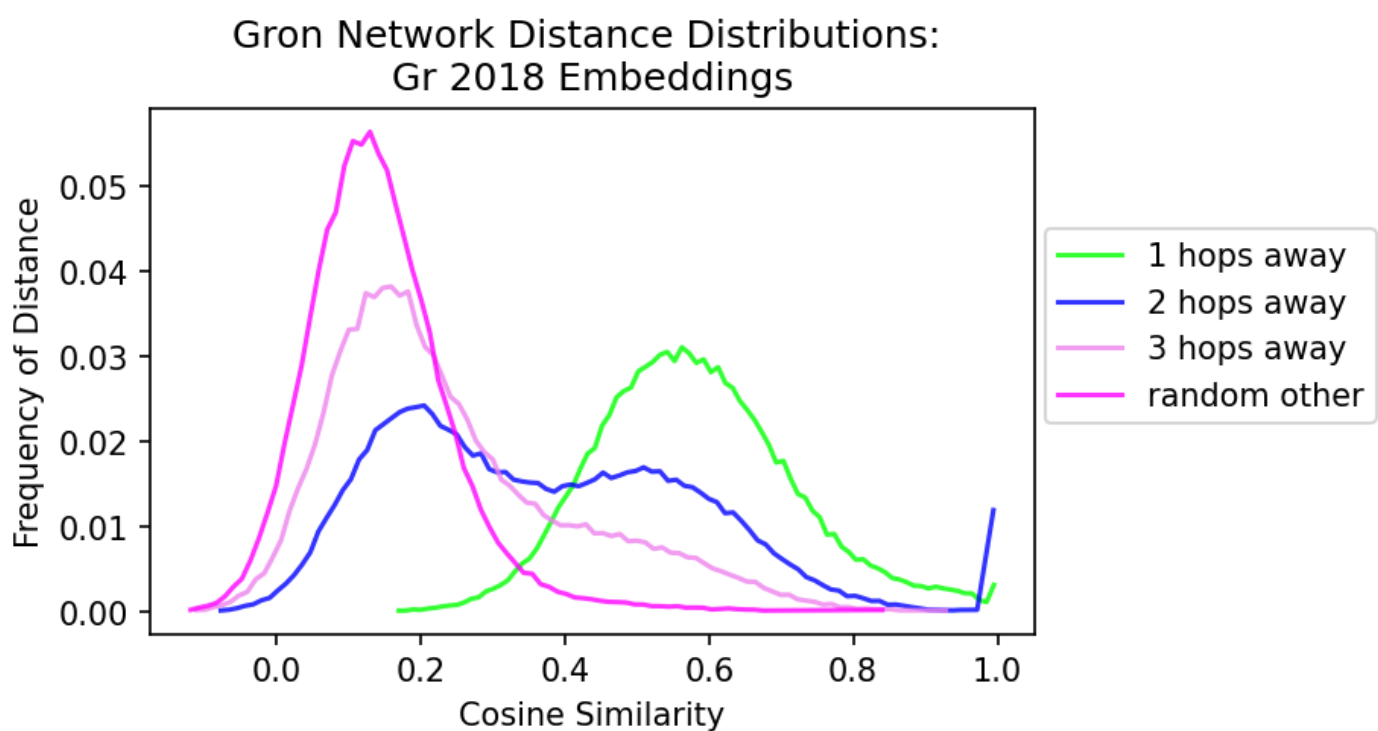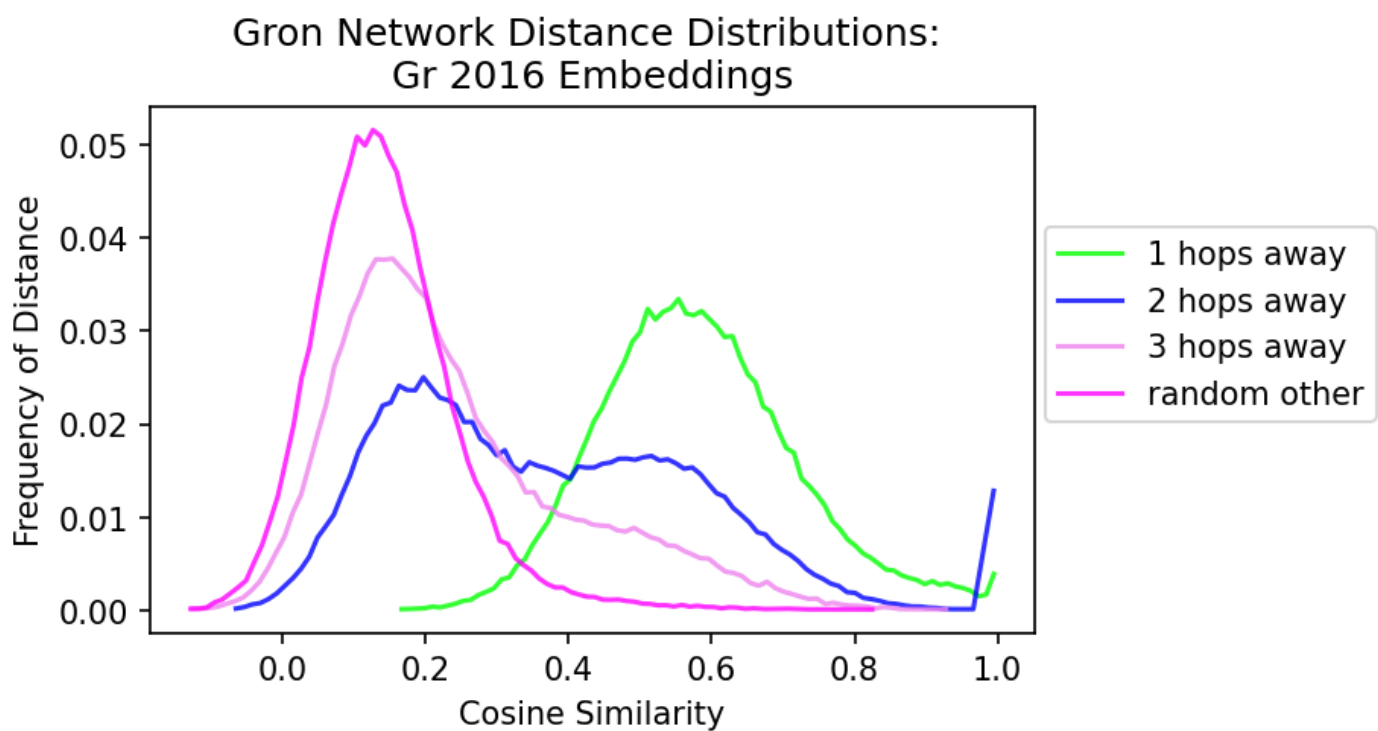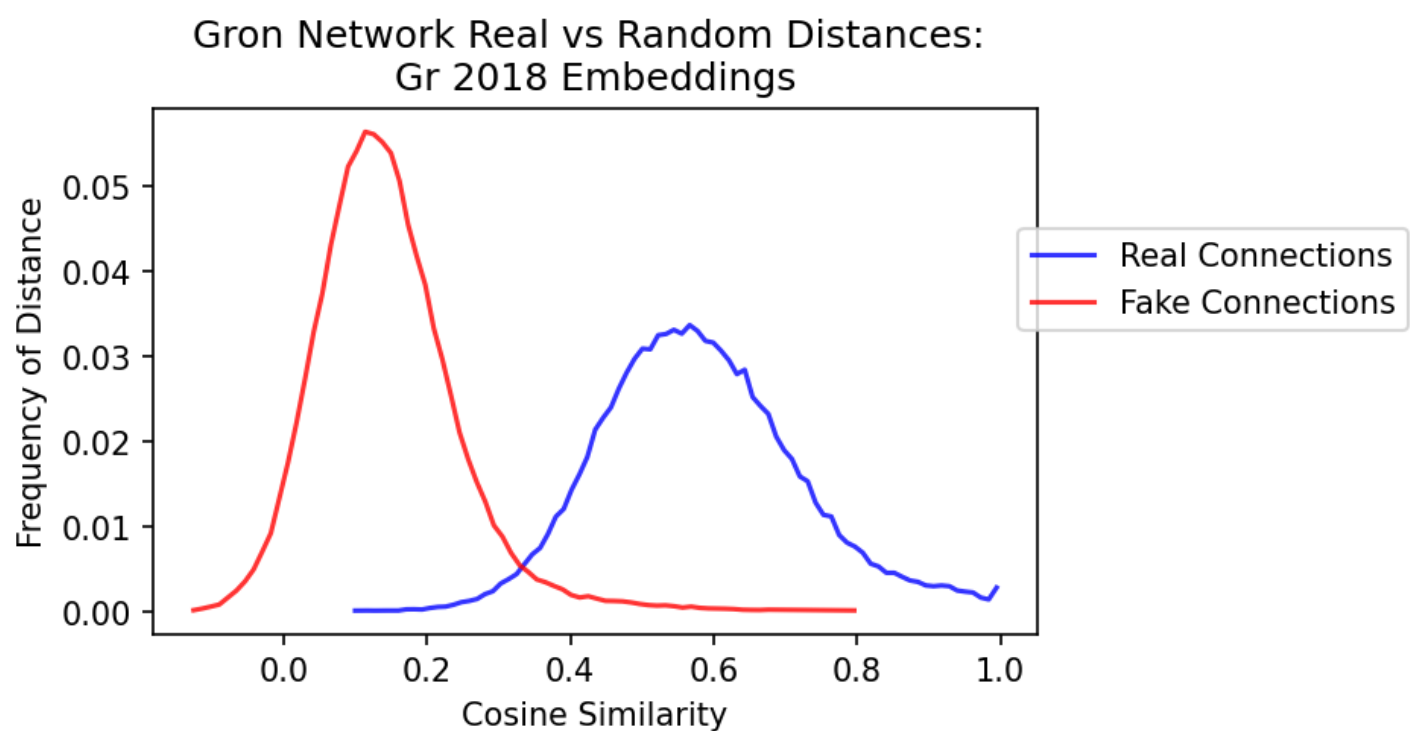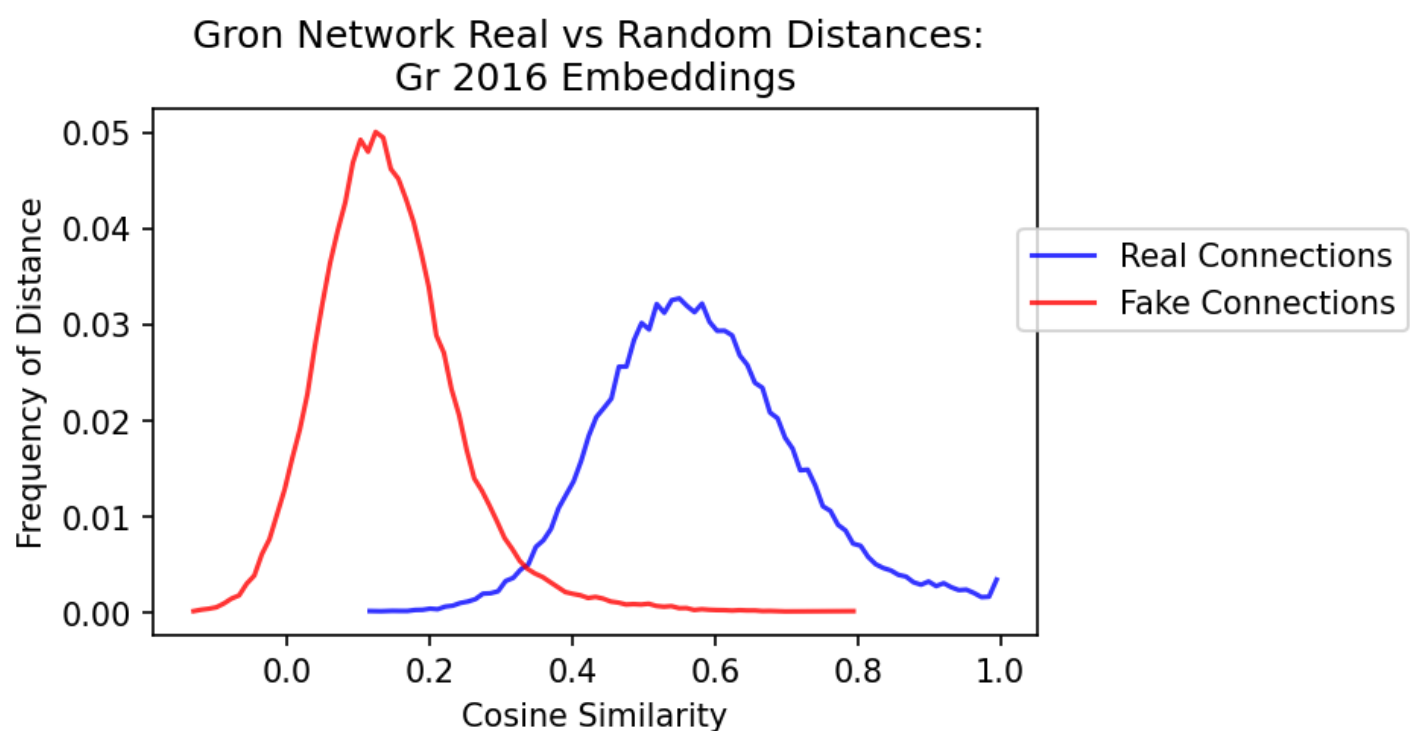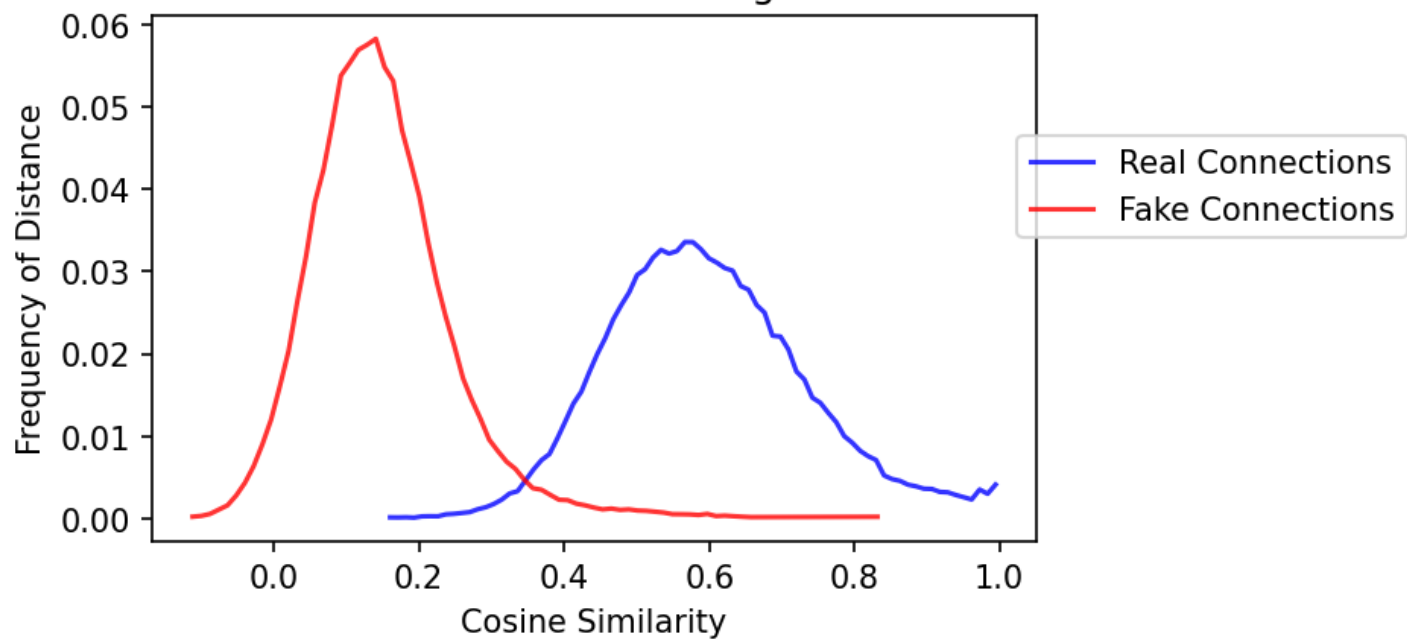
Gron Network Distance Distributions:
Gr 2020 Embeddings
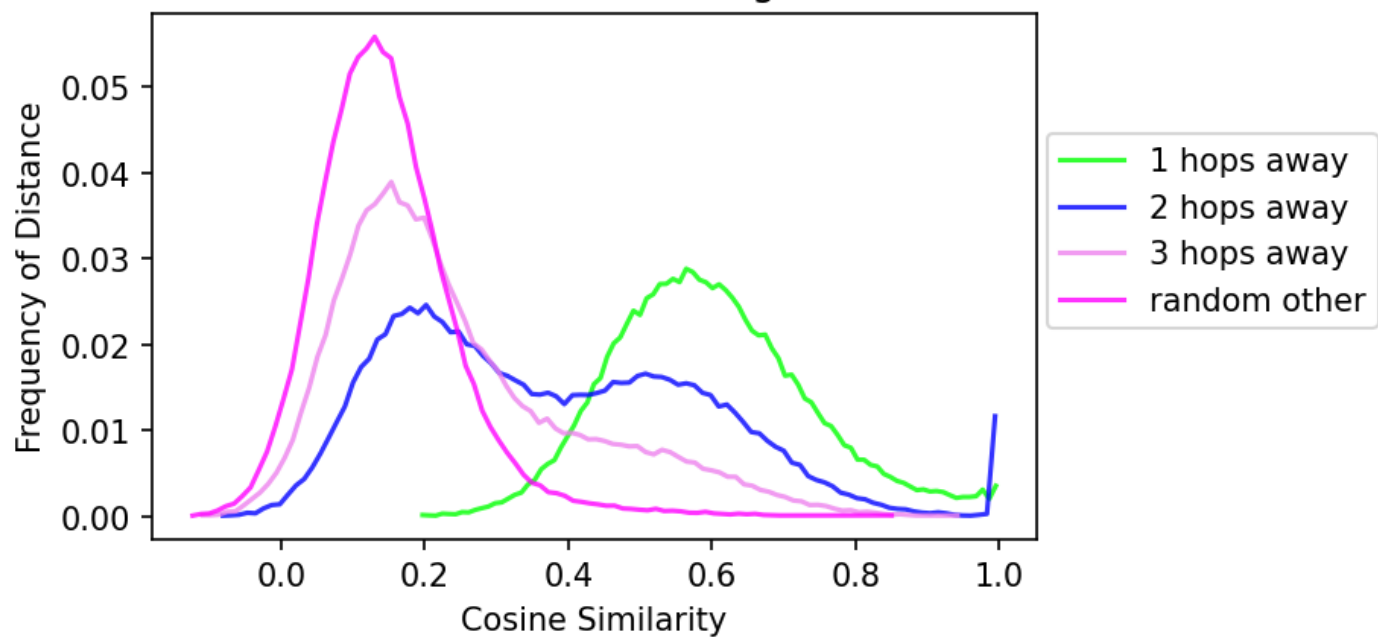
2. Distance Distributions: Real vs Fake Connections

Gron Network Real vs Random Distances:
Gr 2016 Embeddings

Gron Network Real vs Random Distances:
Gr 2018 Embeddings

Gron Network Real vs Random Distances:
Gr 2020 Embeddings

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

	Gr 2016	Gr 2016 + Base	Baseline	Gr 2018	Gr 2018 + Base	Gr 2020	Gr 2020 + Base
2011	0.069	0.08	-0.018	0.126	**0.139**	0.068	0.084
2012	0.097	**0.125**	-0.017	0.1	0.108	0.091	0.103
2013	0.091	**0.198**	-0.004	0.104	0.183	0.081	0.17
2014	0.09	0.168	-0.004	0.106	**0.182**	0.109	0.122
2015	0.136	0.199	-0.006	0.159	**0.235**	0.17	0.182
2016	0.141	0.172	-0.008	0.133	**0.204**	0.143	0.148
2017	0.169	0.16	-0.001	0.177	0.182	0.166	**0.183**
2018	0.152	0.194	-0.002	0.198	**0.254**	0.202	0.218
2019	0.145	0.166	-0.002	0.153	0.182	0.173	**0.186**
2020	0.102	0.158	-0.001	0.15	0.147	**0.188**	0.174
2021	0.029	0.16	-0.007	0.079	0.179	0.132	**0.181**
OVERALL	0.083	0.129	-0.006	0.115	0.145	0.137	**0.151**

Test Counts

	Gr 2016	Gr 2016 + Base	Gr 2018	Gr 2018 + Base	Gr 2020	Gr 2020 + Base
2011	499	465	447	416	411	383
2012	528	488	465	432	421	390
2013	563	515	486	450	430	400
2014	626	560	535	485	469	428
2015	690	603	578	518	500	455
2016	779	662	636	559	548	491
2017	835	736	727	635	619	552
2018	858	770	792	670	655	574
2019	935	848	845	727	733	628
2020	1081	1000	953	835	887	735
2021	1173	1100	991	893	893	764

| OVERALL | 8567 | 7747 | 7455 | 6620 | 6566 | 5800 |

5. Prediction - Marriage (R^2)

5.1 Binary Prediction (Real vs. Fake Pairs)

	Gr 2016	Gr 2016 + Base	Baseline	Gr 2018	Gr 2018 + Base	Gr 2020	Gr 2020 + Base
2011	-0.032	-0.058	-0.003	-0.053	-0.019	-0.052	-0.054
2012	-0.024	-0.064	-0.004	-0.083	-0.067	0.002	**0.037**
2013	-0.095	-0.072	-0.002	-0.023	**0.065**	0.037	0.022
2014	-0.036	-0.005	-0.003	**0.05**	-0.041	-0.073	-0.061
2015	-0.018	-0.054	-0.001	-0.038	**0.006**	0.004	0.001
2016	-0.048	-0.036	-0.001	**0.018**	-0.058	-0.032	0.011
2017	-0.128	-0.114	-0.003	-0.081	-0.073	**0.089**	0.004
2018	-0.005	**0.011**	-0.001	-0.139	-0.025	-0.087	-0.023
2019	-0.05	**0.018**	-0.003	-0.113	-0.038	-0.076	-0.077
2020	-0.052	-0.084	-0.004	-0.046	0.018	-0.068	**0.048**
2021	-0.053	-0.039	-0.001	-0.053	-0.059	-0.093	-0.144
OVERALL	-0.038	-0.039	**-0.003**	-0.041	-0.04	-0.053	-0.044

Test Counts

	Gr 2016	Gr 2016 + Base	Gr 2018	Gr 2018 + Base	Gr 2020	Gr 2020 + Base
2011	243	214	212	181	196	163
2012	276	240	250	210	231	189
2013	246	213	222	184	204	165
2014	268	233	234	193	213	174
2015	270	245	243	203	206	164
2016	274	255	242	205	215	177
2017	265	253	252	232	225	191
2018	276	266	271	253	236	204
2019	260	249	253	235	242	215

2020	189	180	197	185	202	183
2021	203	188	200	180	193	168
OVERALL	3308	3025	3084	2717	2855	2422

5.2 Actual Partner Rank vs. Random Pairings

	Gr 2016	Gr 2018	Gr 2020
2011	51.745	51.563	**52.73**
2012	48.568	48.749	**48.891**
2013	**50.65**	50.277	50.611
2014	50.243	**50.518**	50.5
2015	**50.906**	50.658	50.804
2016	**48.544**	48.384	47.851
2017	**50.614**	49.888	50.135
2018	50.146	**50.73**	50.179
2019	48.615	48.689	**48.799**
2020	49.879	**50.873**	50.847
2021	51.098	**51.312**	50.272
OVERALL	49.983	50.049	**50.06**