

From 5 to 13

Redefining the Positions in Basketball

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The **Problem** with Positions

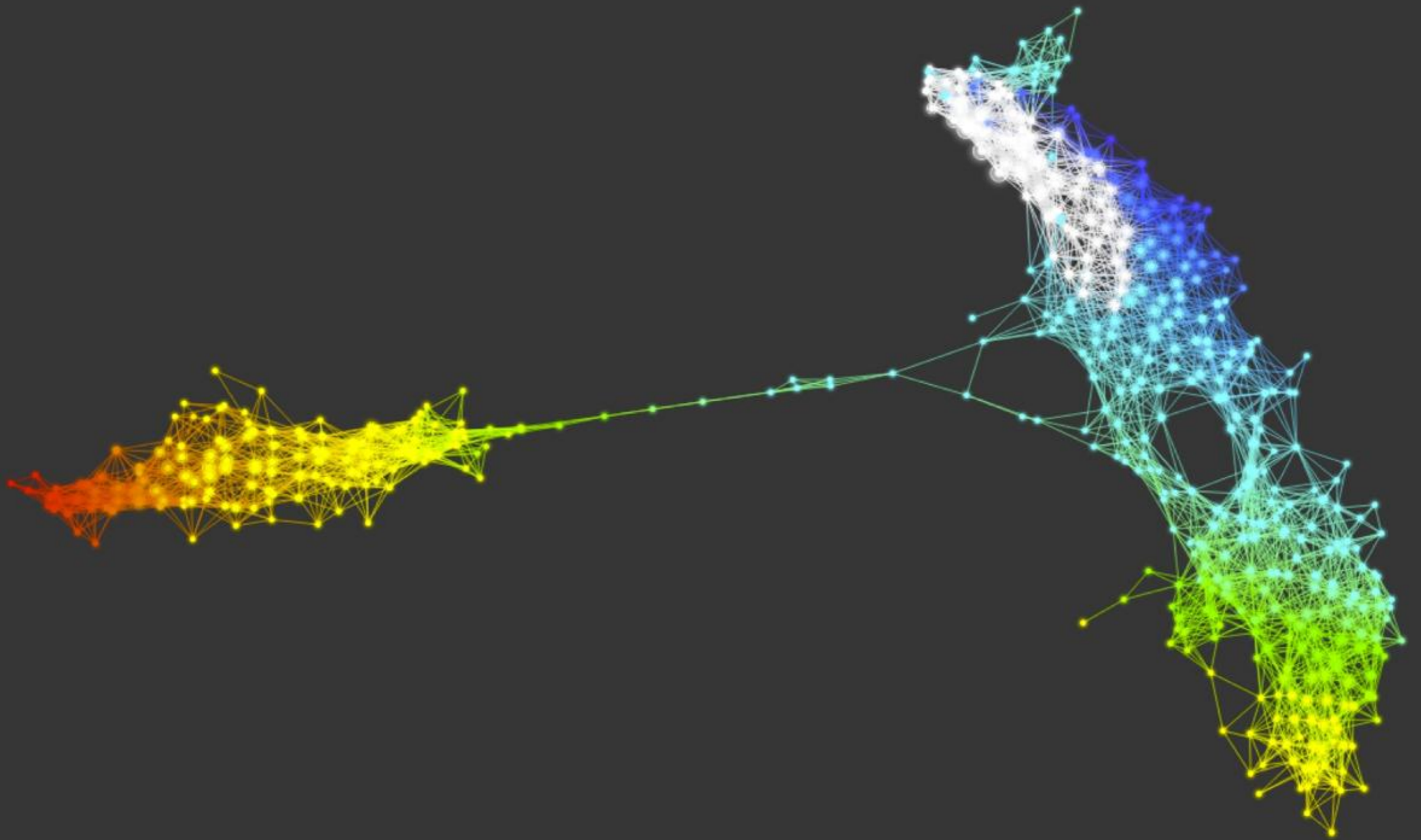
1. Oversimplification

2. Incorrect Classification

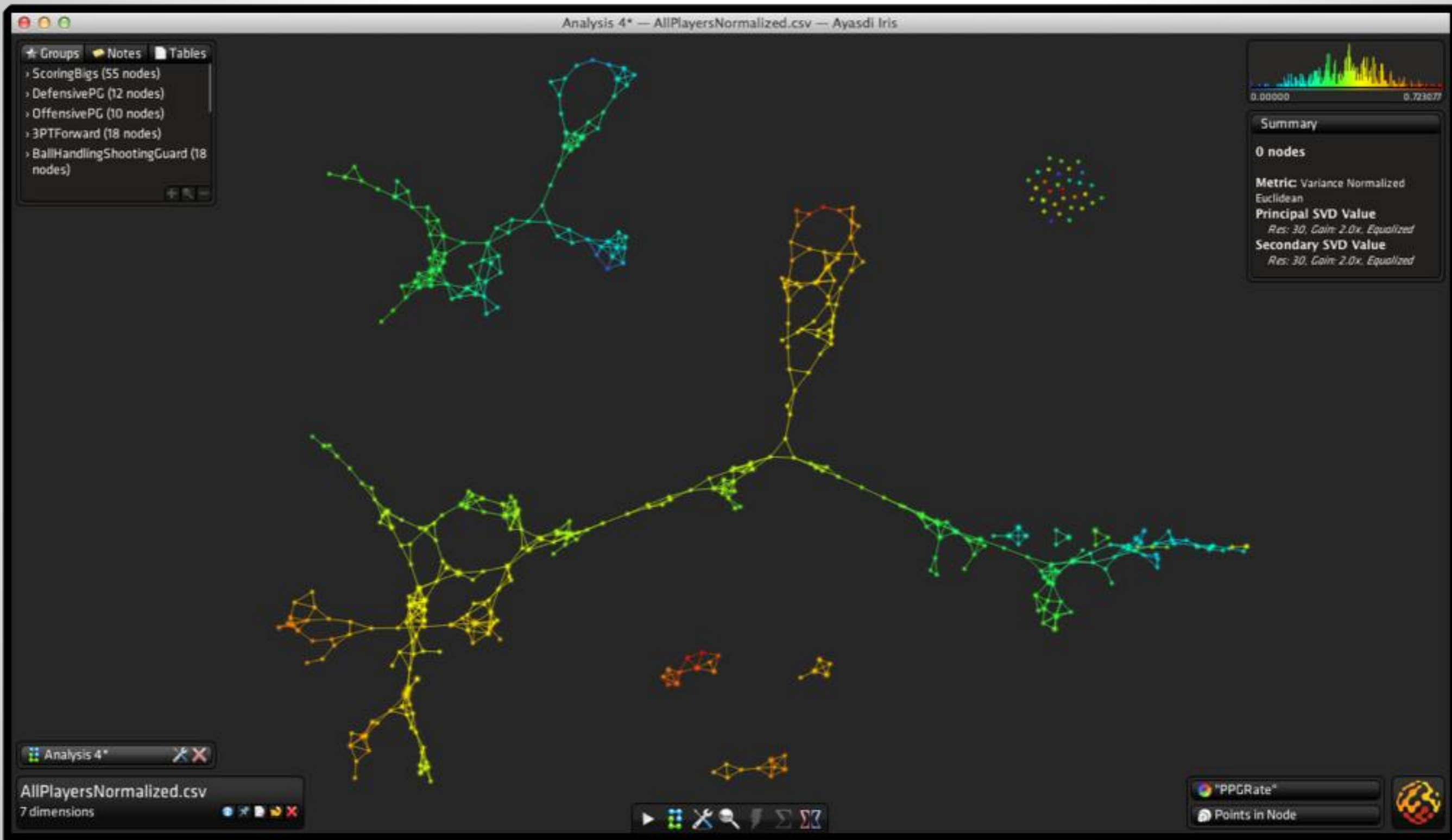


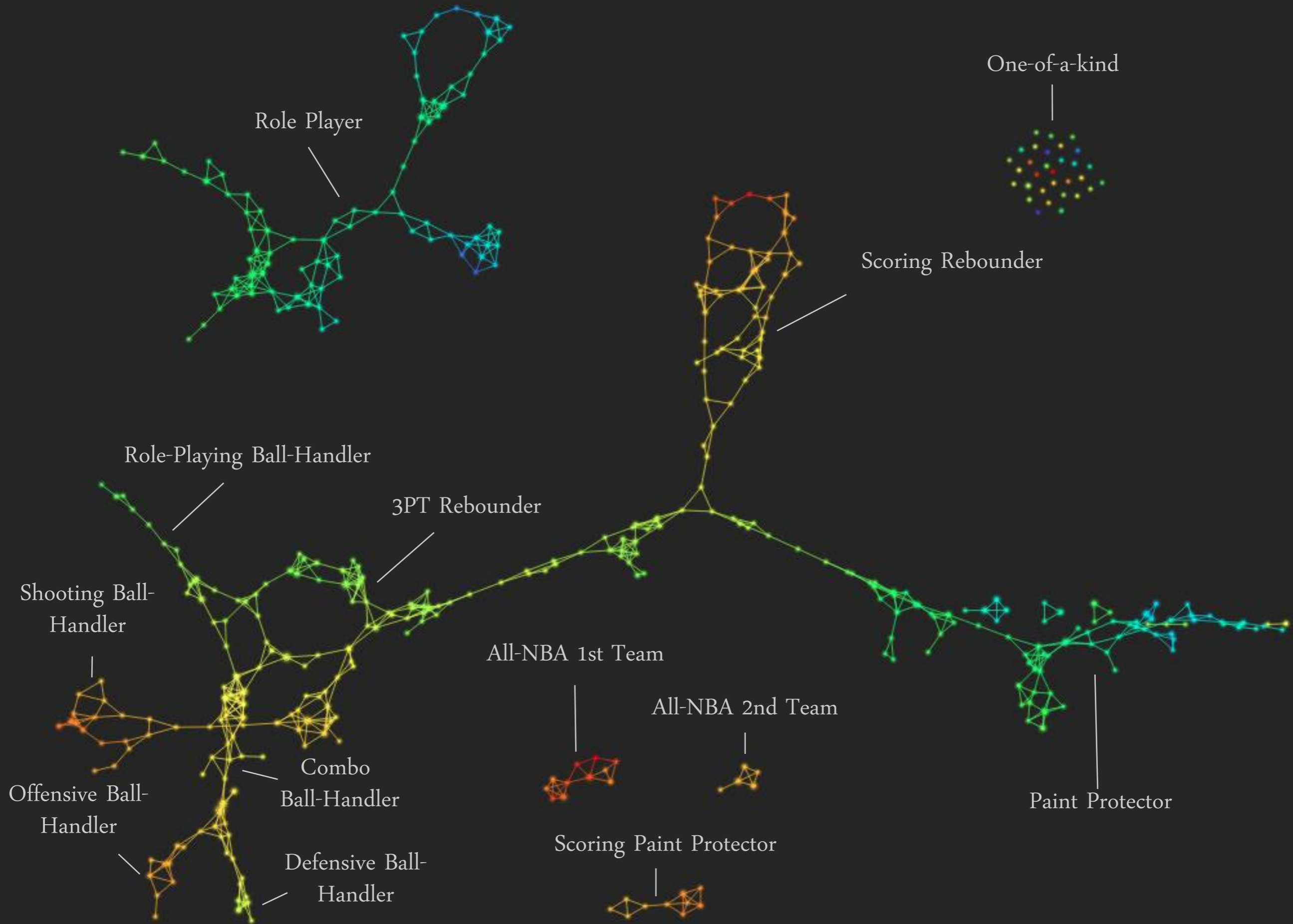
Positions don't reflect Playing Styles





452 NBA Players, 7 Normalized Statistics, 2010-2011





1. 13 Positions

Offensive Ball-Handler (Jason Terry, Tony Parker...)

Defensive Ball-Handler (Mike Conley, Kyle Lowry...)

Combo Ball-Handler (Jameer Nelson, John Wall...)

Shooting Ball-Handler (Stephen Curry, Manu Ginobili...)

Role-Playing Ball Handler (Arron Afflalo, Rudy Fernandez...)

3-Point Rebounder (Luol Deng, Chase Budinger...)

Scoring Rebounder (Dirk Nowitzki, LaMarcus Aldridge...)

Paint Protector (Marcus Camby, Tyson Chandler...)

Scoring Paint Protector (Kevin Love, Blake Griffin...)

Role Player (Shane Battier, Ronnie Brewer...)

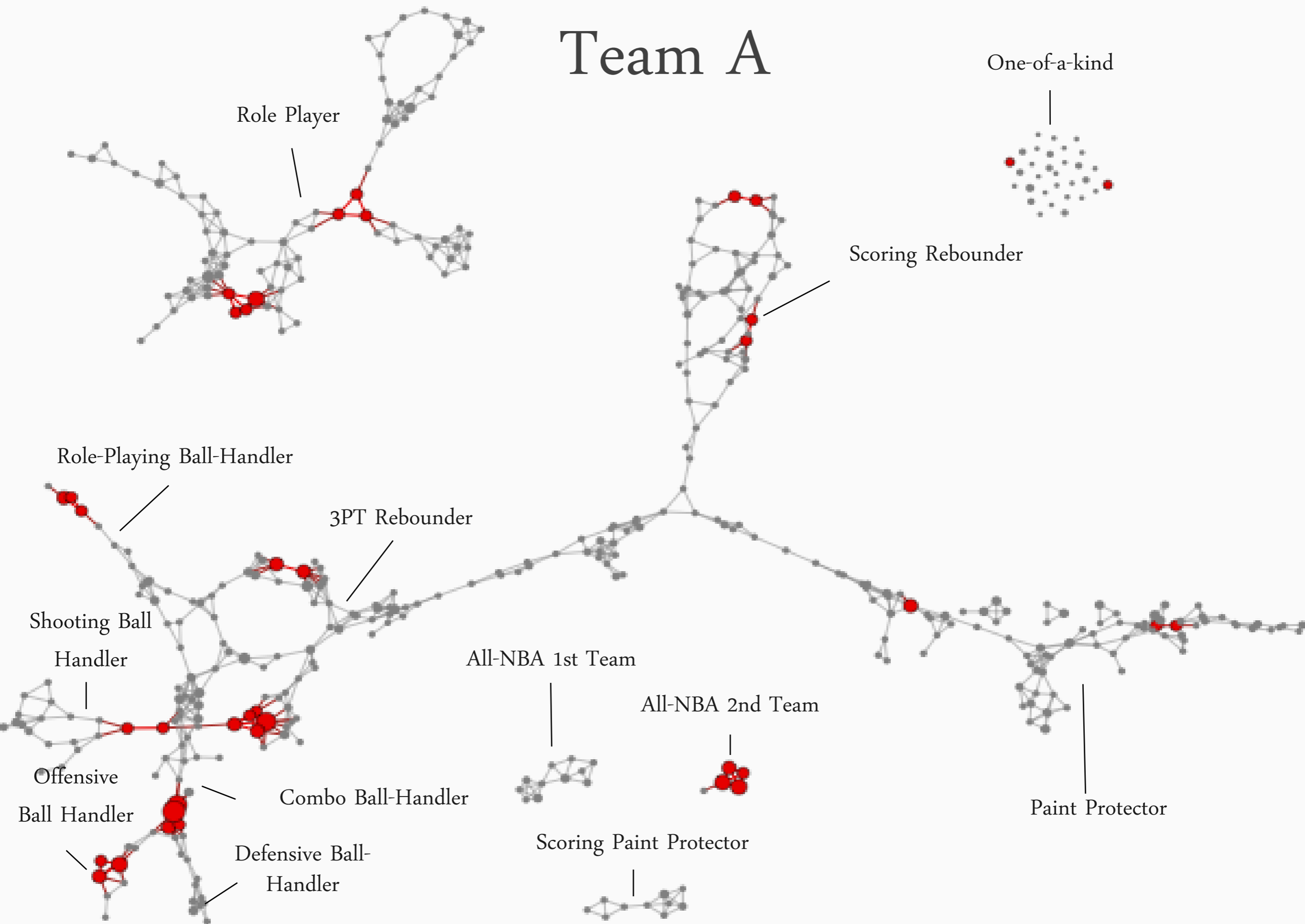
NBA 1st-Team (Kevin Durant, LeBron James...)

NBA 2nd-Team (Rudy Gay, Caron Butler...)

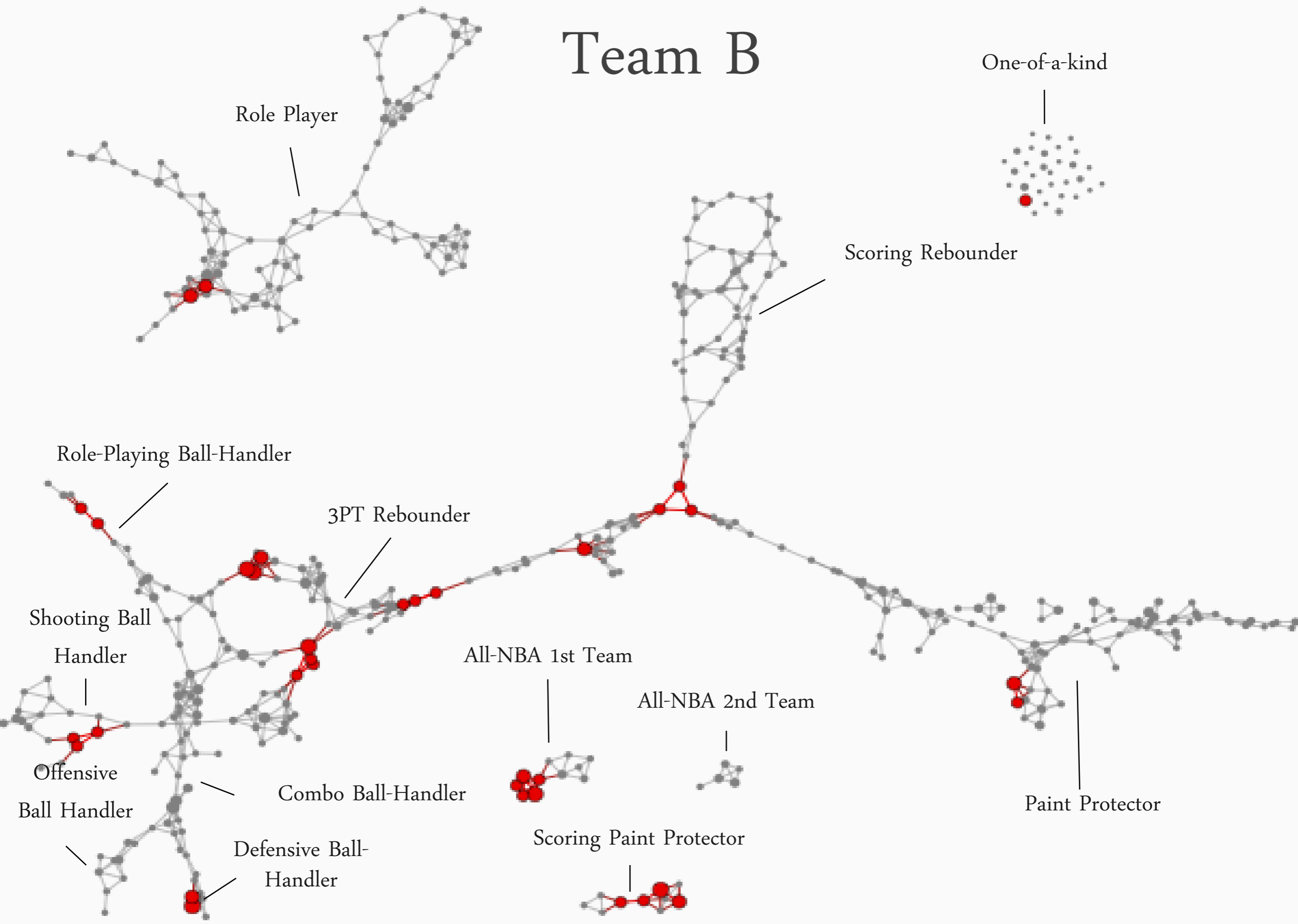
One-of-a-Kind (Derrick Rose, Dwight Howard...)

2. Team Builds

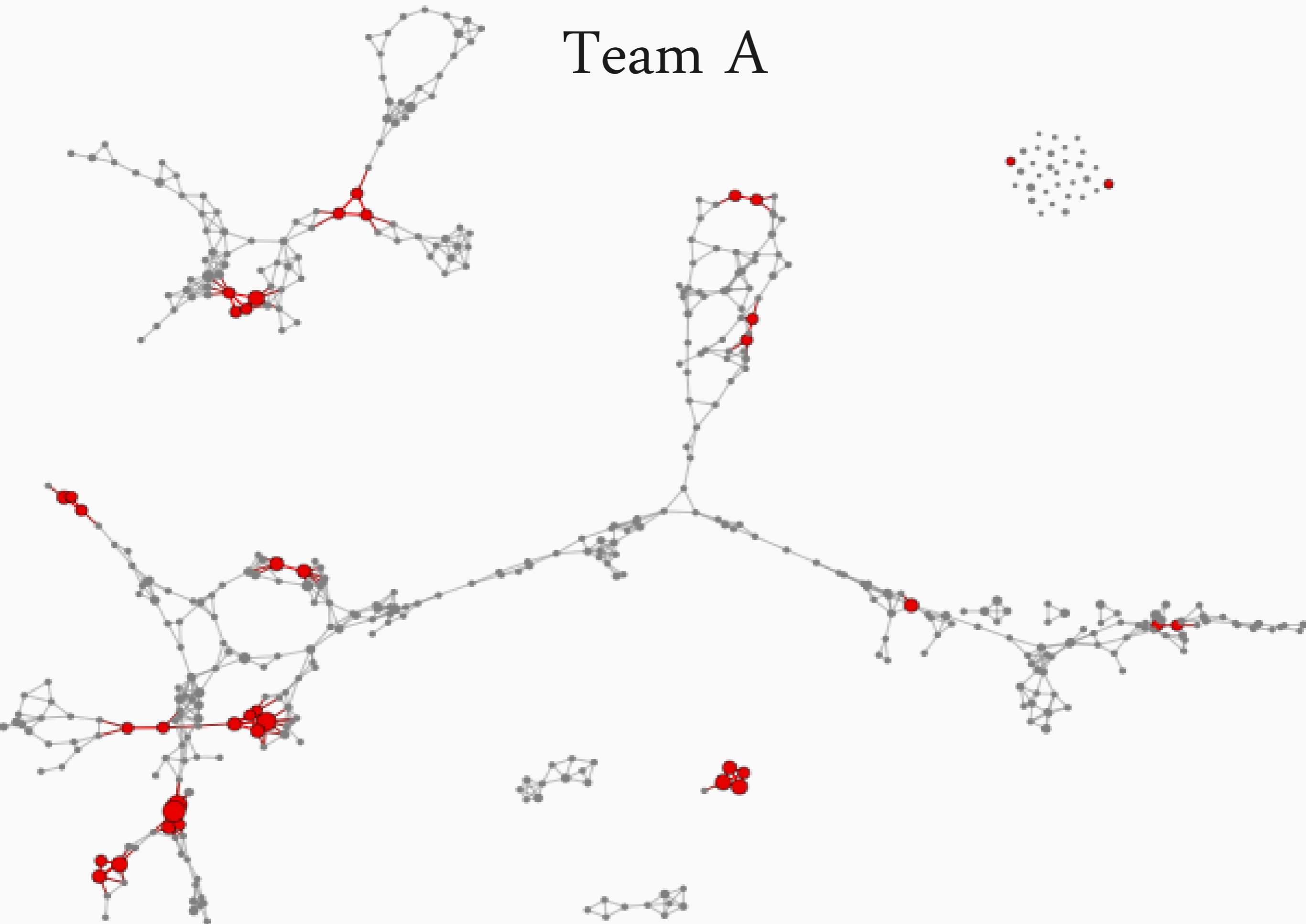
Team A



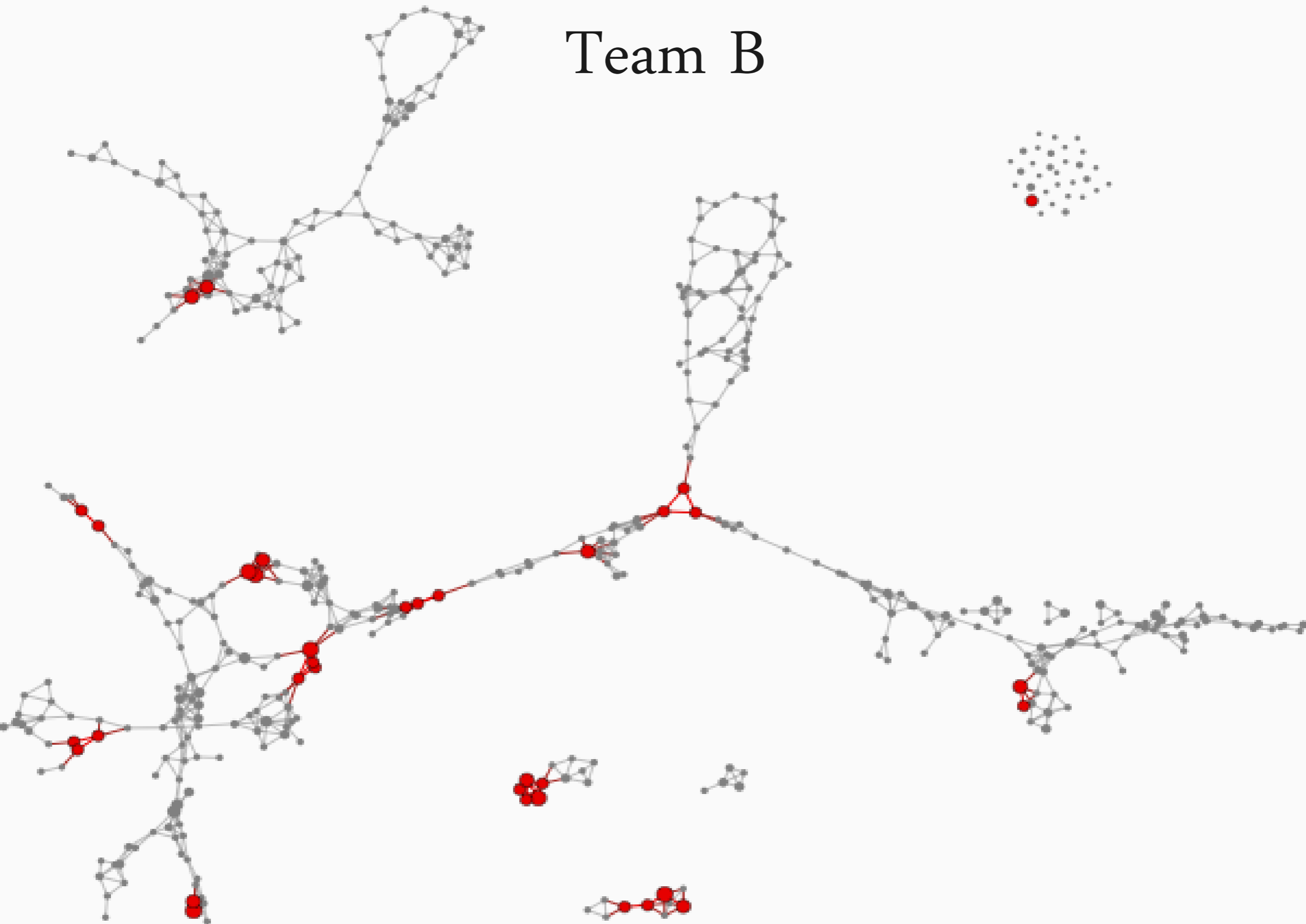
Team B



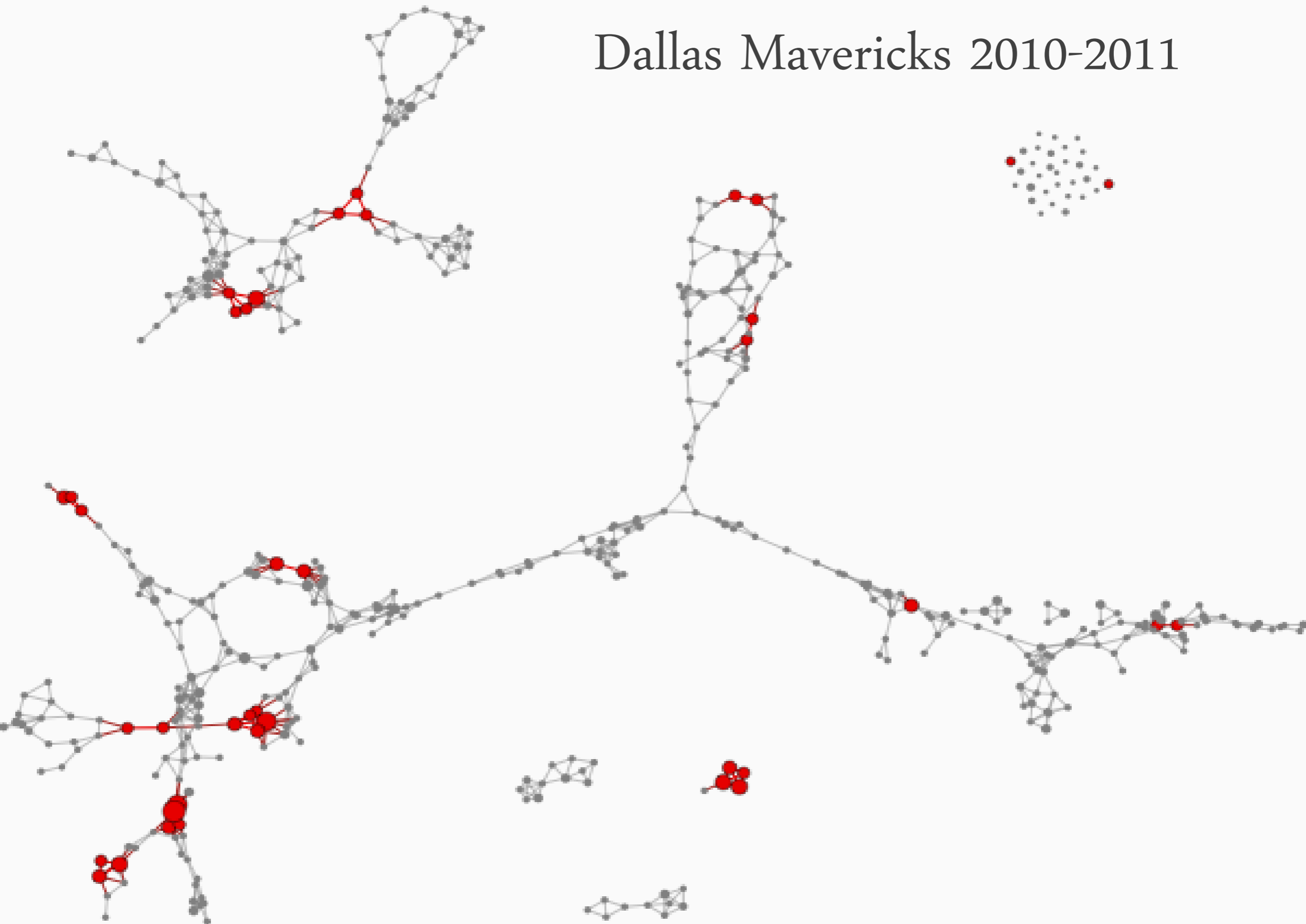
Team A



Team B

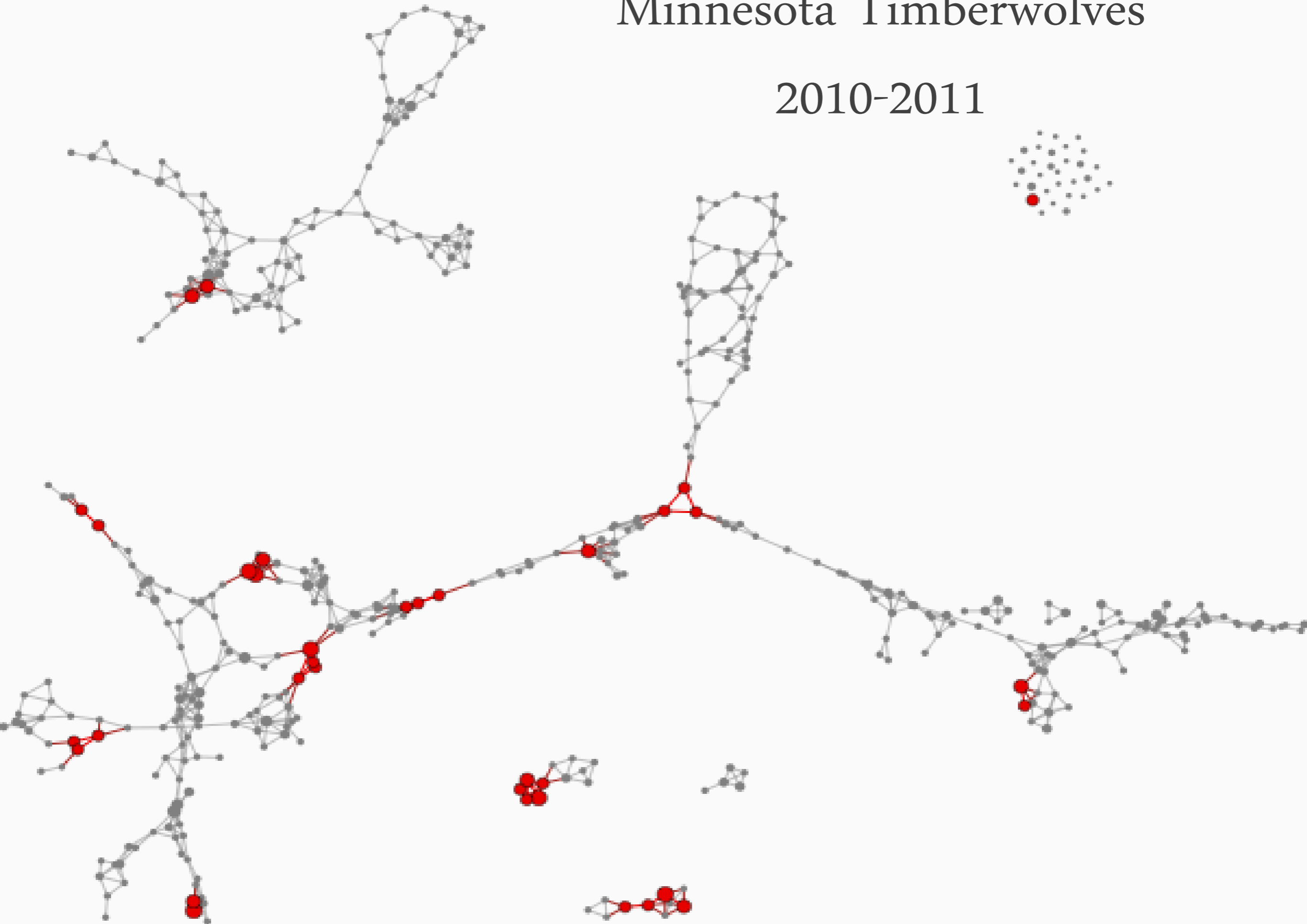


Dallas Mavericks 2010-2011



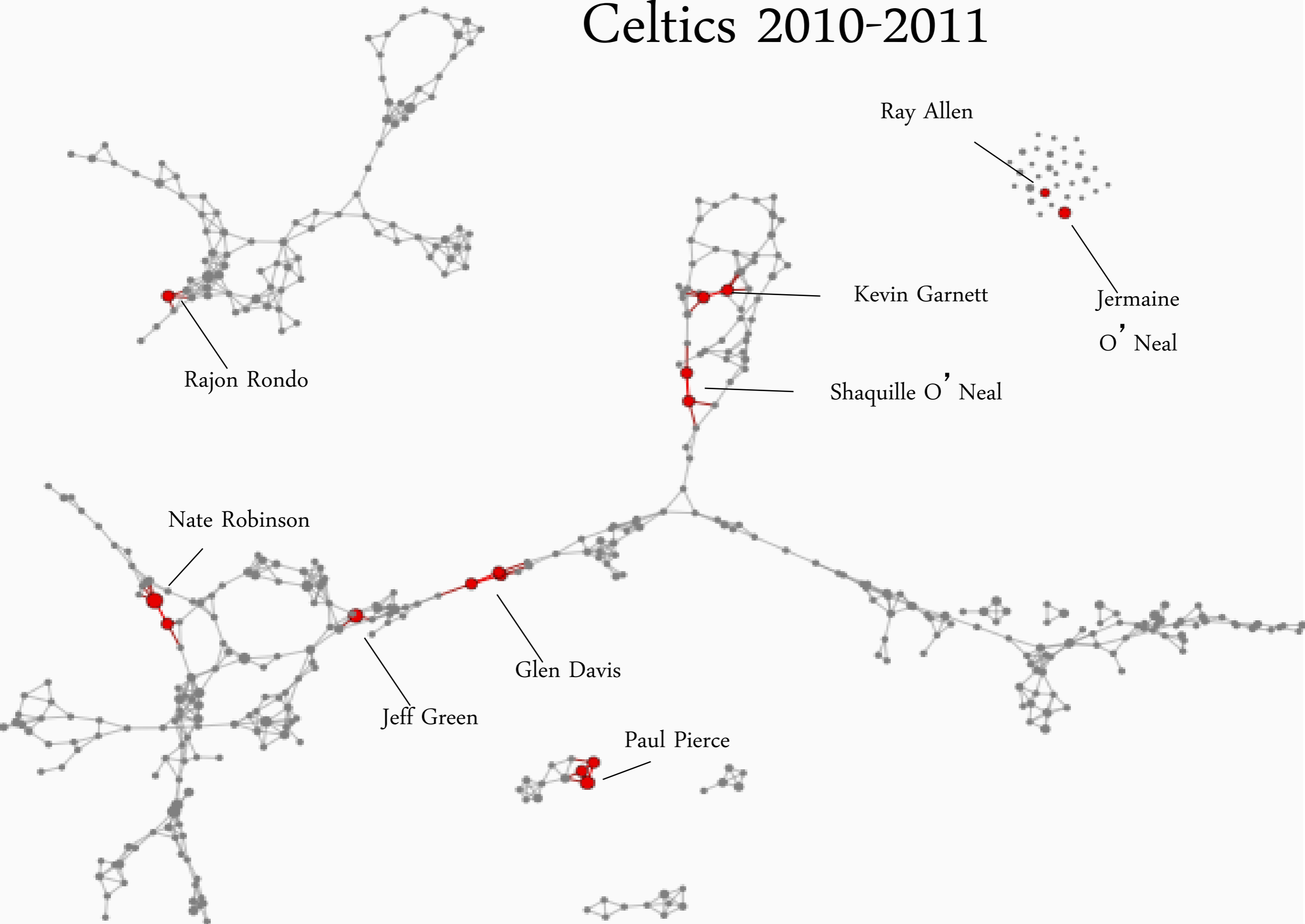
Minnesota Timberwolves

2010-2011



3. Player Management

Celtics 2010-2011



Rajon Rondo

Nate Robinson

Jeff Green

Glen Davis

Paul Pierce

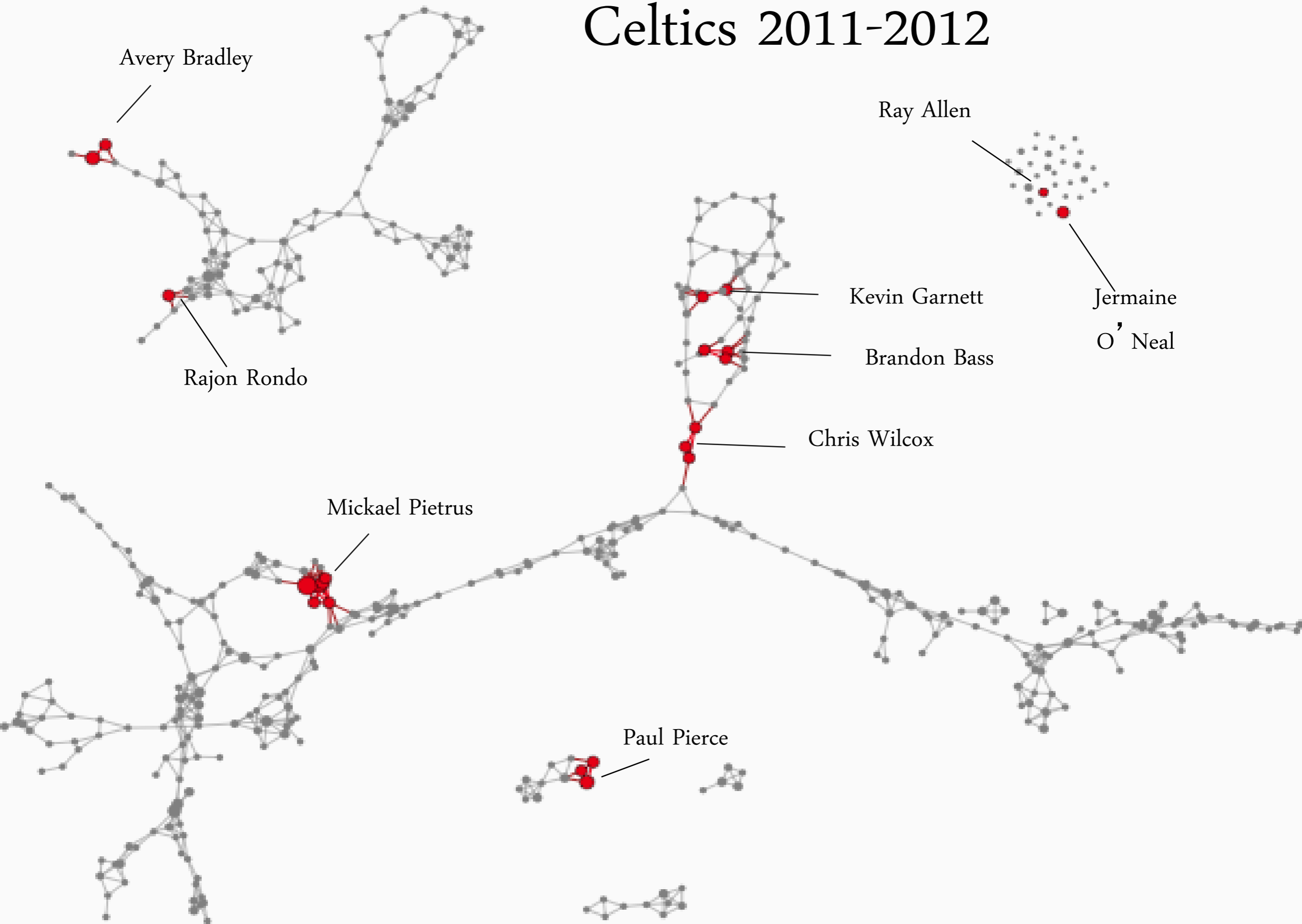
Kevin Garnett

Shaquille O'Neal

Ray Allen

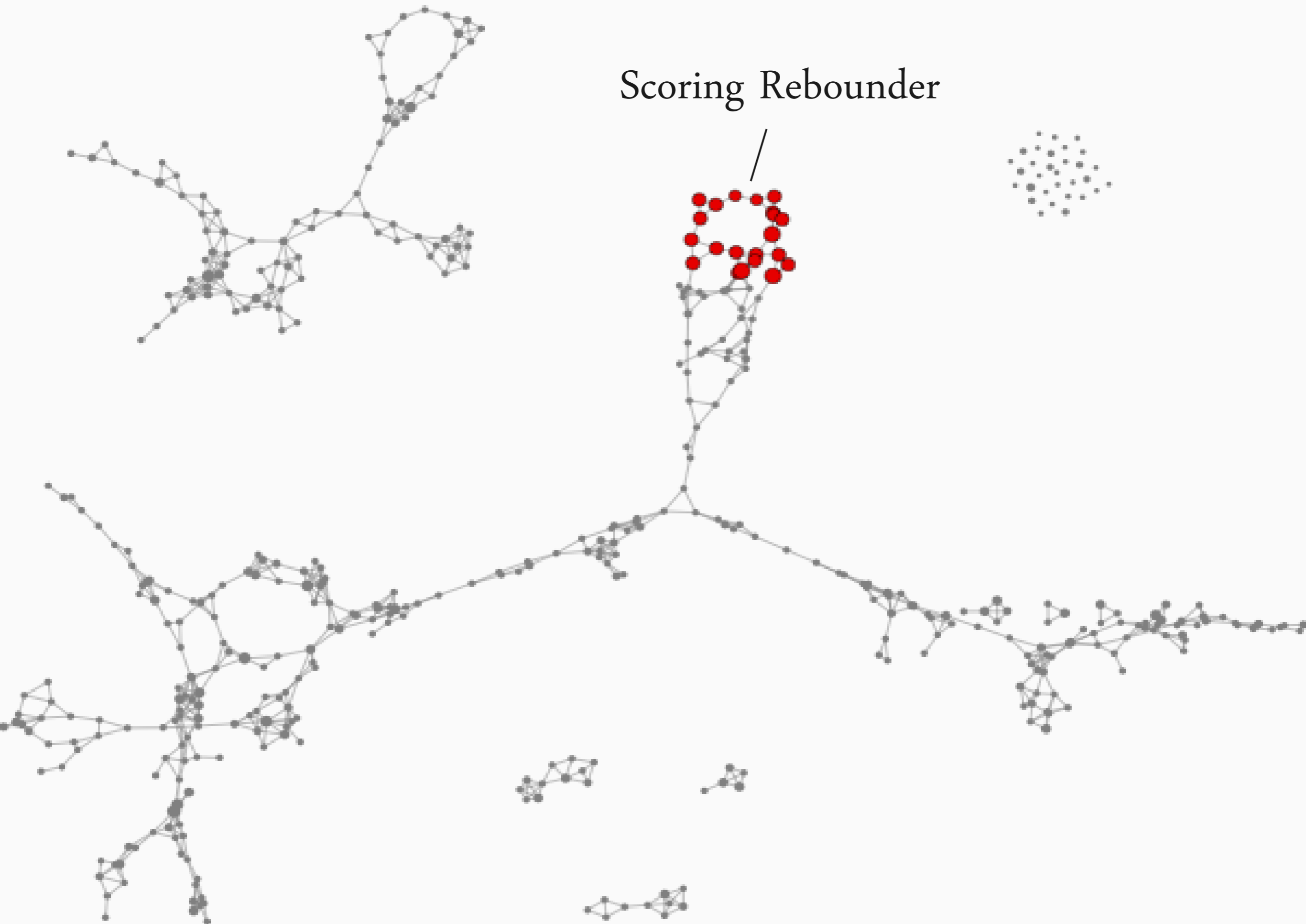
Jermaine
O'Neal

Celtics 2011-2012



4. Finding Value

Scoring Rebounder



UniqueID	Name	PPGRate	RebRate	BlkRate	AssistRate	TORate	StlRate
3	Carmelo Anthony	0.7171	0.2045	0.0168	0.0812	0.0756	0.0252
6	Amar'e Stoude...	0.6875	0.2228	0.0516	0.0707	0.087	0.0245
10	Dirk Nowitzki	0.6706	0.2041	0.0175	0.0758	0.0554	0.0146
15	LaMarcus Aldri...	0.5505	0.2222	0.0303	0.053	0.048	0.0253
24	David West	0.54	0.2171	0.0257	0.0657	0.0571	0.0286
26	Pau Gasol	0.5081	0.2757	0.0432	0.0892	0.0459	0.0162
27	Chris Bosh	0.5152	0.2287	0.0165	0.0523	0.0496	0.022
28	Al Jefferson	0.5181	0.2702	0.0529	0.0501	0.0362	0.0167
31	Luis Scola	0.5613	0.2515	0.0184	0.0767	0.0613	0.0215
33	Antawn Jamison	0.5471	0.2036	0.0152	0.0517	0.0426	0.0274
40	Paul Millsap	0.5044	0.2216	0.0262	0.0729	0.0554	0.0408
43	Andray Blatche	0.4956	0.2419	0.0236	0.0678	0.0796	0.0442
44	Josh Smith	0.484	0.2478	0.0466	0.0962	0.0758	0.0379
46	David Lee	0.4571	0.2715	0.0111	0.0886	0.0637	0.0277
63	Kevin Garnett	0.476	0.2843	0.0256	0.0767	0.0511	0.0415
65	Nene Hilario	0.4787	0.2492	0.0328	0.0656	0.059	0.0361
81	Tim Duncan	0.4754	0.3134	0.0669	0.0951	0.0563	0.0246
94	Thaddeus Young	0.4885	0.2038	0.0115	0.0385	0.0462	0.0423
118	Drew Gooden	0.4593	0.2764	0.0203	0.0528	0.0528	0.0244
126	Charlie Villanu...	0.5068	0.1781	0.0274	0.0274	0.0411	0.0274
127	Tyler Hansbro...	0.5023	0.2374	0.0091	0.0274	0.0502	0.0228
186	Hakim Warrick	0.4746	0.209	0.0056	0.0508	0.0565	0.0226
272	Marreese Spei...	0.4696	0.287	0.0261	0.0435	0.0522	0.0087
365	Devin Ebanks	0.5254	0.2373	0.0508	0.0169	0.0508	0.0339

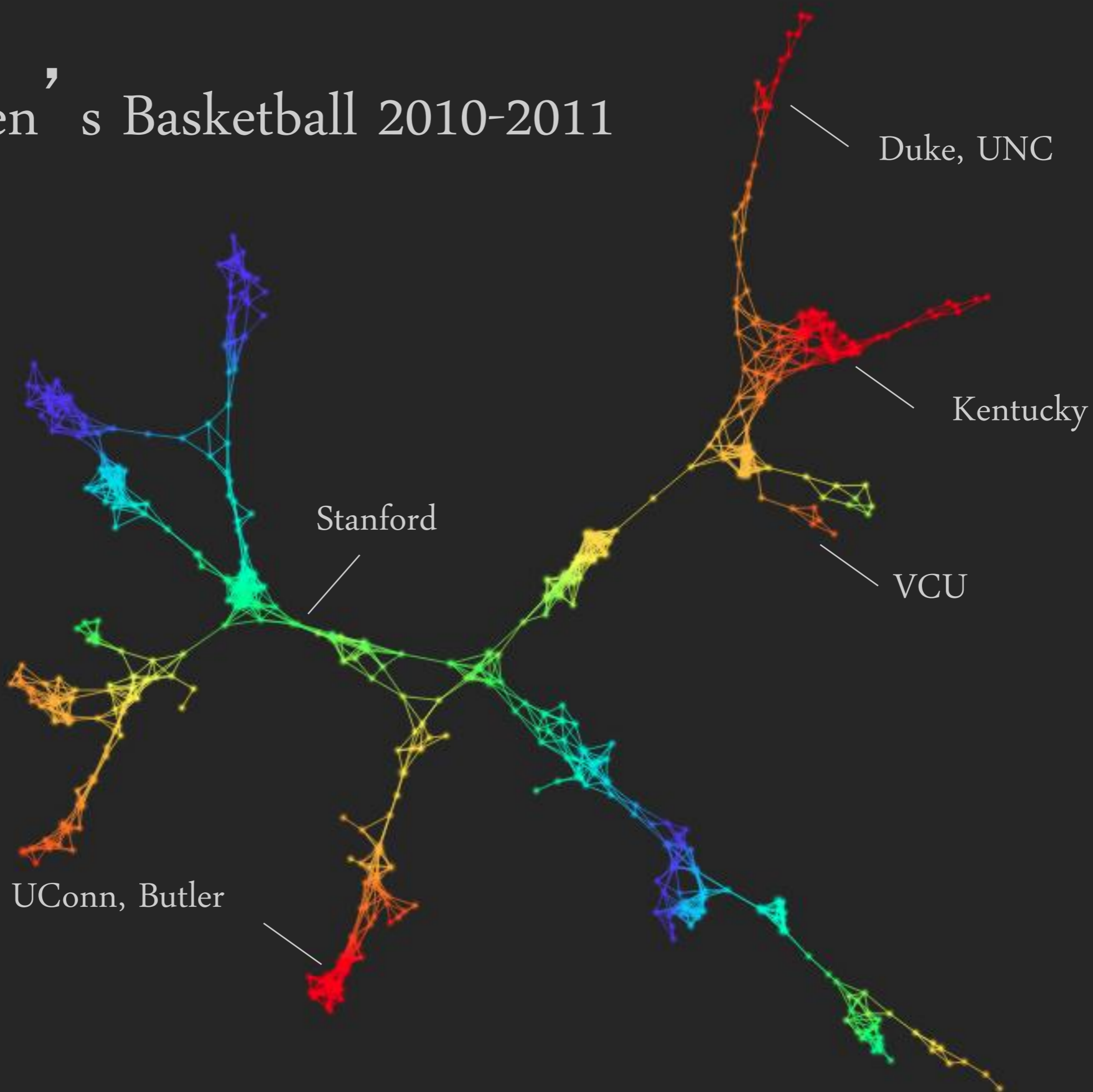
Name	Minutes	Salaries (million)	PPG Rate	Reb Rate	Blk Rate
Carmelo Anthony	35.7	18.5	0.717086835	0.204481793	0.016806723
Amar'e Stoudemire	36.8	18.2	0.6875	0.222826087	0.051630435
Dirk Nowitzki	34.3	19.1	0.670553936	0.204081633	0.017492711
LaMarcus Aldridge	39.6	11.8	0.550505051	0.222222222	0.03030303
David West	35	10	0.54	0.217142857	0.025714286
Pau Gasol	37	18.7	0.508108108	0.275675676	0.043243243
Chris Bosh	36.3	16.02	0.515151515	0.228650138	0.016528926
Al Jefferson	35.9	14	0.51810585	0.270194986	0.052924791
Luis Scola	32.6	8.6	0.561349693	0.251533742	0.018404908
Antawn Jamison	32.9	15.07	0.547112462	0.203647416	0.015197568
Paul Millsap	34.3	6.7	0.504373178	0.221574344	0.026239067
Andray Blatche	33.9	6.4	0.495575221	0.241887906	0.02359882
Josh Smith	34.3	12.4	0.483965015	0.247813411	0.04664723
David Lee	36.1	11.6	0.457063712	0.271468144	0.011080332
Kevin Garnett	31.3	21.2	0.476038339	0.284345048	0.025559105
Nene	30.5	13	0.478688525	0.249180328	0.032786885
Tim Duncan	28.4	21.3	0.475352113	0.313380282	0.066901408
Thaddeus Young	26	7.5	0.488461538	0.203846154	0.011538462
Drew Gooden	24.6	6.2	0.459349593	0.276422764	0.020325203
Charlie Villanueva	21.9	7.5	0.506849315	0.178082192	0.02739726
Tyler Hansbrough ★	21.9	2.1	0.502283105	0.237442922	0.00913242
Hakim Warrick ★	17.7	4.3	0.474576271	0.209039548	0.005649718
Marreese Speights ★	11.5	2.7	0.469565217	0.286956522	0.026086957
Devin Ebanks ★	5.9	0.74	0.525423729	0.237288136	0.050847458

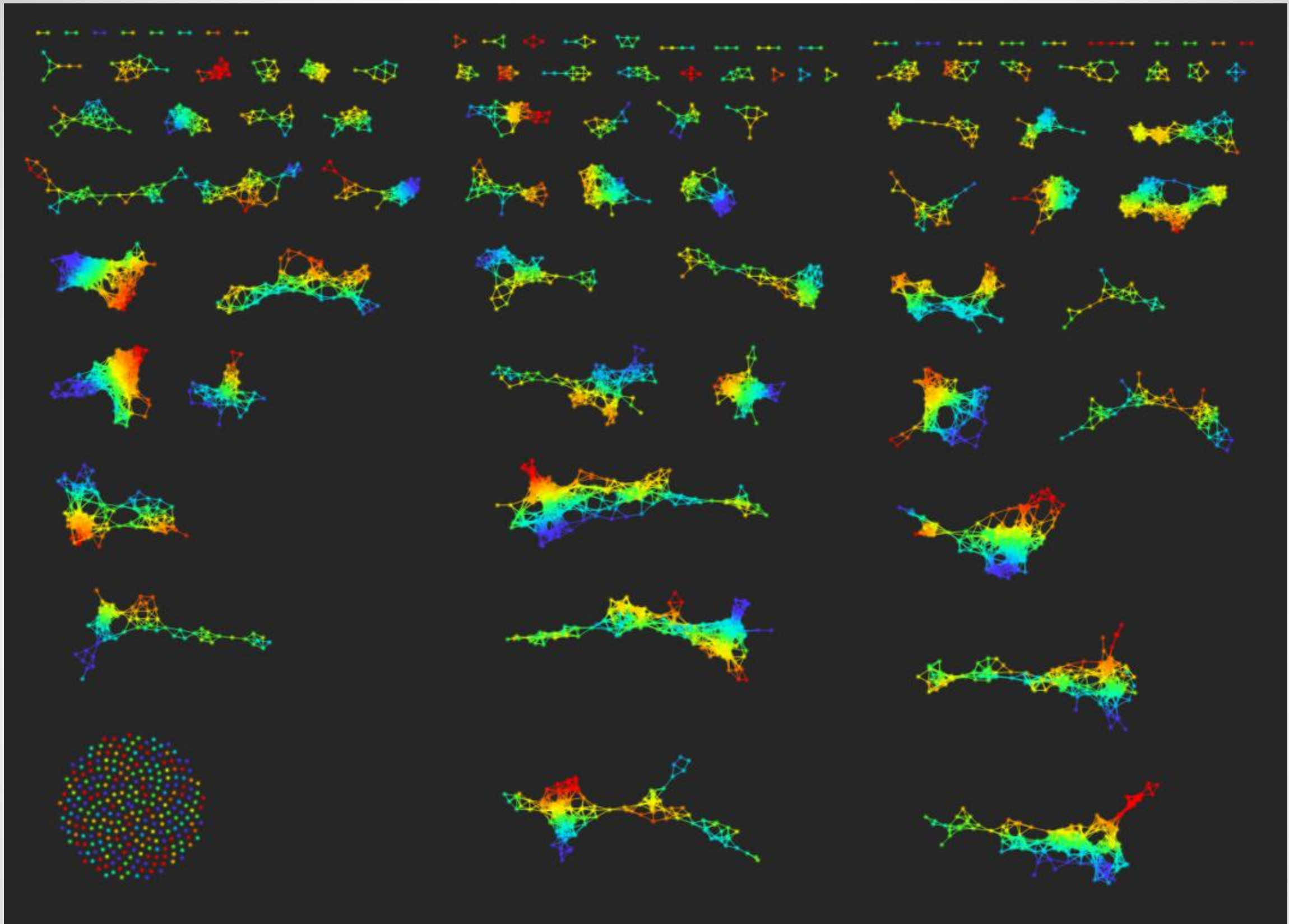
5. It's Dynamic





D1 Men's Basketball 2010-2011





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