



Team	W	L	T	PTS	GF	GA
1. Boston Bruins	12	10	2	26	58	45
2. New York Rangers	11	11	2	24	55	48
3. Philadelphia Flyers	10	12	2	22	52	50
4. Washington Capitals	9	13	2	20	48	52
5. Pittsburgh Penguins	8	14	2	18	45	55
6. New Jersey Devils	7	15	2	16	42	58
7. Carolina Hurricanes	6	16	2	14	38	60
8. Florida Panthers	5	17	2	12	35	65
9. Tampa Bay Lightning	4	18	2	10	32	70
10. Montreal Canadiens	3	19	2	8	28	75



On the Breakaway

Accelerating the evolution of women's hockey analytics

Carleen Markey

 @quarkyhockey

 carleenmarkey.com

Player	GP	PTS	TRB	AST	STL	BLK	TOV	PF	PTS/G	TRB/G	AST/G	STL/G	BLK/G	TOV/G	PF/G
Alvin Robertson	82	27.2	4.4	11.5	2.5	1.9	3.8	2.1	33.1	5.4	14.0	3.0	2.3	4.6	2.6
Scottie Pippen	82	25.0	7.7	5.9	1.6	1.5	2.5	2.8	30.5	9.3	7.1	1.9	1.8	3.0	3.4
Steve Kerr	82	18.1	2.5	5.9	2.3	0.0	2.5	1.8	22.1	3.0	7.1	2.3	0.0	3.0	2.2
Scottie Pippen	82	17.6	6.4	5.9	1.6	1.5	2.5	2.8	21.5	7.8	7.1	1.9	1.8	3.0	3.4
Scottie Pippen	82	17.6	6.4	5.9	1.6	1.5	2.5	2.8	21.5	7.8	7.1	1.9	1.8	3.0	3.4
Scottie Pippen	82	17.6	6.4	5.9	1.6	1.5	2.5	2.8	21.5	7.8	7.1	1.9	1.8	3.0	3.4
Scottie Pippen	82	17.6	6.4	5.9	1.6	1.5	2.5	2.8	21.5	7.8	7.1	1.9	1.8	3.0	3.4
Scottie Pippen	82	17.6	6.4	5.9	1.6	1.5	2.5	2.8	21.5	7.8	7.1	1.9	1.8	3.0	3.4
Scottie Pippen	82	17.6	6.4	5.9	1.6	1.5	2.5	2.8	21.5	7.8	7.1	1.9	1.8	3.0	3.4
Scottie Pippen	82	17.6	6.4	5.9	1.6	1.5	2.5	2.8	21.5	7.8	7.1	1.9	1.8	3.0	3.4



Presentation Co-Credit



Alyssa Longmuir
🐦 @alyssastweeting



Mike Murphy
🐦 @DigDeepBSB



Team	W	L	T	PTS	GF	GA
1. Boston Bruins	12	1	1	25	35	15
2. New York Rangers	10	3	1	21	30	20
3. Philadelphia Flyers	8	5	1	17	25	25
4. Washington Capitals	7	6	1	15	22	28
5. Pittsburgh Penguins	6	7	1	13	20	25
6. New Jersey Devils	5	8	1	11	18	28
7. Carolina Hurricanes	4	9	1	9	15	25
8. Florida Panthers	3	10	1	7	12	28
9. Tampa Bay Lightning	2	11	1	5	10	25
10. Montreal Canadiens	1	12	1	3	8	25

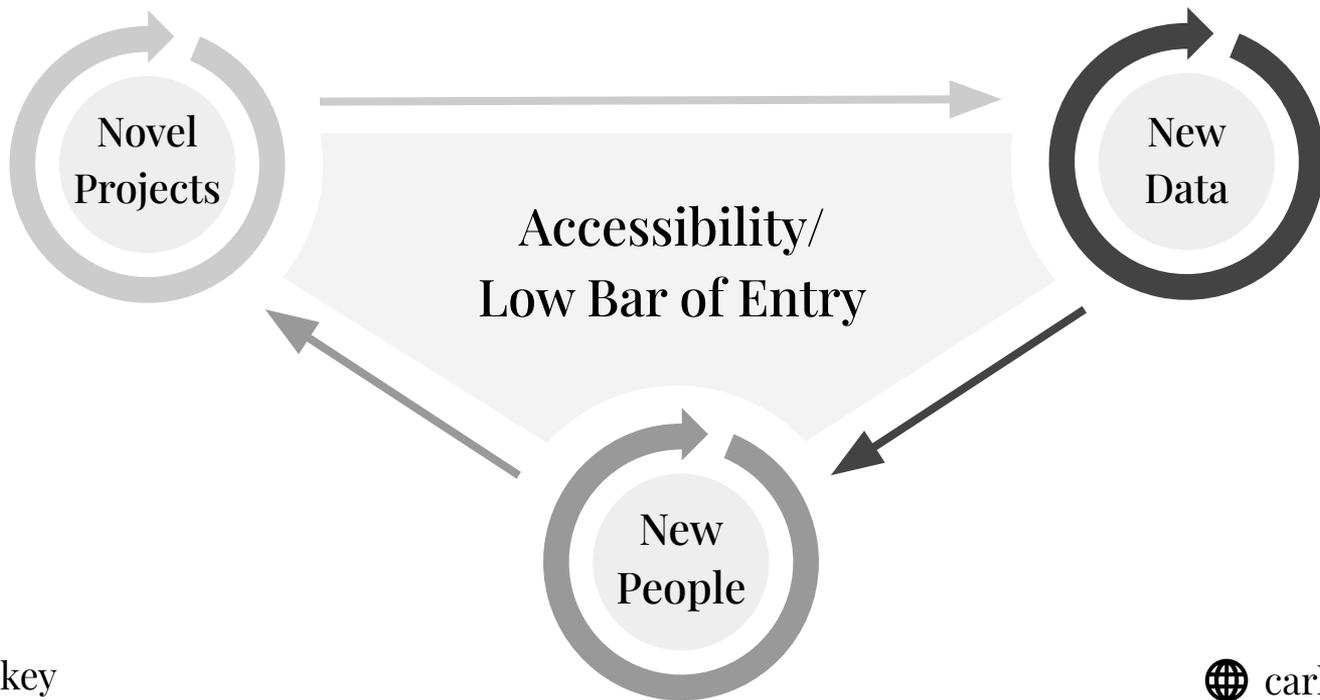


Motivation

- Explicitly outline the next steps to maintain co-growth of sports analytics and women's hockey
- Community-oriented version of “Contextualizing Historical Data and Current Projects in Women's Hockey” (see whkyhac.com/event-archive)
- I (and Alyssa and Mike) can only answer so many DMs



Motivation



Team	GP	G	A	Pts	PM	Year	Playoff	GP	G	A	Pts	PM
2002-03 Pittsburgh Penguins	82	20	41	40	16	2003	1st Round	10	2	10	2	0
2003-04 Pittsburgh Penguins	82	20	41	40	16	2004	1st Round	10	2	10	2	0
2004-05 Pittsburgh Penguins	82	20	41	40	16	2005	1st Round	10	2	10	2	0
2005-06 Pittsburgh Penguins	82	20	41	40	16	2006	1st Round	10	2	10	2	0
2006-07 Pittsburgh Penguins	82	20	41	40	16	2007	1st Round	10	2	10	2	0
2007-08 Pittsburgh Penguins	82	20	41	40	16	2008	1st Round	10	2	10	2	0
2008-09 Pittsburgh Penguins	82	20	41	40	16	2009	1st Round	10	2	10	2	0
2009-10 Pittsburgh Penguins	82	20	41	40	16	2010	1st Round	10	2	10	2	0
2010-11 Pittsburgh Penguins	82	20	41	40	16	2011	1st Round	10	2	10	2	0
2011-12 Pittsburgh Penguins	82	20	41	40	16	2012	1st Round	10	2	10	2	0
2012-13 Pittsburgh Penguins	82	20	41	40	16	2013	1st Round	10	2	10	2	0
2013-14 Pittsburgh Penguins	82	20	41	40	16	2014	1st Round	10	2	10	2	0
2014-15 Pittsburgh Penguins	82	20	41	40	16	2015	1st Round	10	2	10	2	0
2015-16 Pittsburgh Penguins	82	20	41	40	16	2016	1st Round	10	2	10	2	0
2016-17 Pittsburgh Penguins	82	20	41	40	16	2017	1st Round	10	2	10	2	0
2017-18 Pittsburgh Penguins	82	20	41	40	16	2018	1st Round	10	2	10	2	0
2018-19 Pittsburgh Penguins	82	20	41	40	16	2019	1st Round	10	2	10	2	0
2019-20 Pittsburgh Penguins	82	20	41	40	16	2020	1st Round	10	2	10	2	0
2020-21 Pittsburgh Penguins	82	20	41	40	16	2021	1st Round	10	2	10	2	0
2021-22 Pittsburgh Penguins	82	20	41	40	16	2022	1st Round	10	2	10	2	0
2022-23 Pittsburgh Penguins	82	20	41	40	16	2023	1st Round	10	2	10	2	0
2023-24 Pittsburgh Penguins	82	20	41	40	16	2024	1st Round	10	2	10	2	0
2024-25 Pittsburgh Penguins	82	20	41	40	16	2025	1st Round	10	2	10	2	0

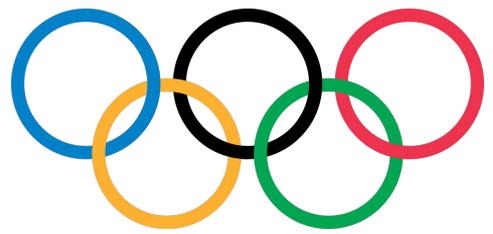


Data

Player	Team	GP	G	A	Pts	PM	Year	Playoff	GP	G	A	Pts	PM
...



Past Data Collection Results



Team	GP	G	A	Pts	PM	Year	Player	GP	G	A	Pts	PM
FAST RHO	21	10	22	20	10	2019	...	...	...	...	...	...
FAST RHO	21	10	22	20	10	2020	...	...	...	...	...	...
FAST RHO	21	10	22	20	10	2021	...	...	...	...	...	...



Current Efforts

PHF Data Quality

- This season: 50+ significant recording errors, stats only sometimes tracked, 4-5 data losses of entire periods & games
- Majority found + fixed by volunteers

NCAA Access

collegehockeystats.net



Lowering the bar of entry



 @quarkyhockey

whkyhac.com/data

 carleenmarkey.com

Team	GP	G	A	Pts	PM	Year	Playoff	GP	G	A	Pts	PM
2002-03	41	20	30	50	10	2002-03	1st Round	10	5	10	10	2
2003-04	41	20	30	50	10	2003-04	1st Round	10	5	10	10	2
2004-05	41	20	30	50	10	2004-05	1st Round	10	5	10	10	2
2005-06	41	20	30	50	10	2005-06	1st Round	10	5	10	10	2
2006-07	41	20	30	50	10	2006-07	1st Round	10	5	10	10	2
2007-08	41	20	30	50	10	2007-08	1st Round	10	5	10	10	2
2008-09	41	20	30	50	10	2008-09	1st Round	10	5	10	10	2
2009-10	41	20	30	50	10	2009-10	1st Round	10	5	10	10	2
2010-11	41	20	30	50	10	2010-11	1st Round	10	5	10	10	2
2011-12	41	20	30	50	10	2011-12	1st Round	10	5	10	10	2
2012-13	41	20	30	50	10	2012-13	1st Round	10	5	10	10	2
2013-14	41	20	30	50	10	2013-14	1st Round	10	5	10	10	2
2014-15	41	20	30	50	10	2014-15	1st Round	10	5	10	10	2
2015-16	41	20	30	50	10	2015-16	1st Round	10	5	10	10	2
2016-17	41	20	30	50	10	2016-17	1st Round	10	5	10	10	2
2017-18	41	20	30	50	10	2017-18	1st Round	10	5	10	10	2
2018-19	41	20	30	50	10	2018-19	1st Round	10	5	10	10	2
2019-20	41	20	30	50	10	2019-20	1st Round	10	5	10	10	2
2020-21	41	20	30	50	10	2020-21	1st Round	10	5	10	10	2
2021-22	41	20	30	50	10	2021-22	1st Round	10	5	10	10	2
2022-23	41	20	30	50	10	2022-23	1st Round	10	5	10	10	2
2023-24	41	20	30	50	10	2023-24	1st Round	10	5	10	10	2
2024-25	41	20	30	50	10	2024-25	1st Round	10	5	10	10	2
2025-26	41	20	30	50	10	2025-26	1st Round	10	5	10	10	2
2026-27	41	20	30	50	10	2026-27	1st Round	10	5	10	10	2
2027-28	41	20	30	50	10	2027-28	1st Round	10	5	10	10	2
2028-29	41	20	30	50	10	2028-29	1st Round	10	5	10	10	2
2029-30	41	20	30	50	10	2029-30	1st Round	10	5	10	10	2
2030-31	41	20	30	50	10	2030-31	1st Round	10	5	10	10	2
2031-32	41	20	30	50	10	2031-32	1st Round	10	5	10	10	2
2032-33	41	20	30	50	10	2032-33	1st Round	10	5	10	10	2
2033-34	41	20	30	50	10	2033-34	1st Round	10	5	10	10	2
2034-35	41	20	30	50	10	2034-35	1st Round	10	5	10	10	2
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2063-64	41	20	30	50	10	2063-64	1st Round	10	5	10	10	2
2064-65	41	20	30	50	10	2064-65	1st Round	10	5	10	10	2
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2068-69	41	20	30	50	10	2068-69	1st Round	10	5	10	10	2
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2079-80	41	20	30	50	10	2079-80	1st Round	10	5	10	10	2
2080-81	41	20	30	50	10	2080-81	1st Round	10	5	10	10	2
2081-82	41	20	30	50	10	2081-82	1st Round	10	5	10	10	2
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2084-85	41	20	30	50	10	2084-85	1st Round	10	5	10	10	2
2085-86	41	20	30	50	10	2085-86	1st Round	10	5	10	10	2
2086-87	41	20	30	50	10	2086-87	1st Round	10	5	10	10	2
2087-88	41	20	30	50	10	2087-88	1st Round	10	5	10	10	2
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2090-91	41	20	30	50	10	2090-91	1st Round	10	5	10	10	2
2091-92	41	20	30	50	10	2091-92	1st Round	10	5	10	10	2
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2094-95	41	20	30	50	10	2094-95	1st Round	10	5	10	10	2
2095-96	41	20	30	50	10	2095-96	1st Round	10	5	10	10	2
2096-97	41	20	30	50	10	2096-97	1st Round	10	5	10	10	2
2097-98	41	20	30	50	10	2097-98	1st Round	10	5	10	10	2
2098-99	41	20	30	50	10	2098-99	1st Round	10	5	10	10	2
2099-00	41	20	30	50	10	2099-00	1st Round	10	5	10	10	2
2100-01	41	20	30	50	10	2100-01	1st Round	10	5	10	10	2



PROBLEM: DATA INTEGRITY

Team	GP	G	A	Pts	PM	Year	Playoff	GP	G	A	Pts	PM
2002-03	22	11	11	22	11	2002	Playoff	11	5	10	11	11
2003-04	22	11	11	22	11	2003	Playoff	11	5	10	11	11
2004-05	22	11	11	22	11	2004	Playoff	11	5	10	11	11
2005-06	22	11	11	22	11	2005	Playoff	11	5	10	11	11
2006-07	22	11	11	22	11	2006	Playoff	11	5	10	11	11
2007-08	22	11	11	22	11	2007	Playoff	11	5	10	11	11
2008-09	22	11	11	22	11	2008	Playoff	11	5	10	11	11
2009-10	22	11	11	22	11	2009	Playoff	11	5	10	11	11
2010-11	22	11	11	22	11	2010	Playoff	11	5	10	11	11
2011-12	22	11	11	22	11	2011	Playoff	11	5	10	11	11
2012-13	22	11	11	22	11	2012	Playoff	11	5	10	11	11
2013-14	22	11	11	22	11	2013	Playoff	11	5	10	11	11
2014-15	22	11	11	22	11	2014	Playoff	11	5	10	11	11
2015-16	22	11	11	22	11	2015	Playoff	11	5	10	11	11
2016-17	22	11	11	22	11	2016	Playoff	11	5	10	11	11
2017-18	22	11	11	22	11	2017	Playoff	11	5	10	11	11
2018-19	22	11	11	22	11	2018	Playoff	11	5	10	11	11
2019-20	22	11	11	22	11	2019	Playoff	11	5	10	11	11
2020-21	22	11	11	22	11	2020	Playoff	11	5	10	11	11
2021-22	22	11	11	22	11	2021	Playoff	11	5	10	11	11
2022-23	22	11	11	22	11	2022	Playoff	11	5	10	11	11
2023-24	22	11	11	22	11	2023	Playoff	11	5	10	11	11
2024-25	22	11	11	22	11	2024	Playoff	11	5	10	11	11
2025-26	22	11	11	22	11	2025	Playoff	11	5	10	11	11
2026-27	22	11	11	22	11	2026	Playoff	11	5	10	11	11
2027-28	22	11	11	22	11	2027	Playoff	11	5	10	11	11
2028-29	22	11	11	22	11	2028	Playoff	11	5	10	11	11
2029-30	22	11	11	22	11	2029	Playoff	11	5	10	11	11
2030-31	22	11	11	22	11	2030	Playoff	11	5	10	11	11
2031-32	22	11	11	22	11	2031	Playoff	11	5	10	11	11
2032-33	22	11	11	22	11	2032	Playoff	11	5	10	11	11
2033-34	22	11	11	22	11	2033	Playoff	11	5	10	11	11
2034-35	22	11	11	22	11	2034	Playoff	11	5	10	11	11
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2040-41	22	11	11	22	11	2040	Playoff	11	5	10	11	11
2041-42	22	11	11	22	11	2041	Playoff	11	5	10	11	11
2042-43	22	11	11	22	11	2042	Playoff	11	5	10	11	11
2043-44	22	11	11	22	11	2043	Playoff	11	5	10	11	11
2044-45	22	11	11	22	11	2044	Playoff	11	5	10	11	11
2045-46	22	11	11	22	11	2045	Playoff	11	5	10	11	11
2046-47	22	11	11	22	11	2046	Playoff	11	5	10	11	11
2047-48	22	11	11	22	11	2047	Playoff	11	5	10	11	11
2048-49	22	11	11	22	11	2048	Playoff	11	5	10	11	11
2049-50	22	11	11	22	11	2049	Playoff	11	5	10	11	11
2050-51	22	11	11	22	11	2050	Playoff	11	5	10	11	11
2051-52	22	11	11	22	11	2051	Playoff	11	5	10	11	11
2052-53	22	11	11	22	11	2052	Playoff	11	5	10	11	11
2053-54	22	11	11	22	11	2053	Playoff	11	5	10	11	11
2054-55	22	11	11	22	11	2054	Playoff	11	5	10	11	11
2055-56	22	11	11	22	11	2055	Playoff	11	5	10	11	11
2056-57	22	11	11	22	11	2056	Playoff	11	5	10	11	11
2057-58	22	11	11	22	11	2057	Playoff	11	5	10	11	11
2058-59	22	11	11	22	11	2058	Playoff	11	5	10	11	11
2059-60	22	11	11	22	11	2059	Playoff	11	5	10	11	11
2060-61	22	11	11	22	11	2060	Playoff	11	5	10	11	11
2061-62	22	11	11	22	11	2061	Playoff	11	5	10	11	11
2062-63	22	11	11	22	11	2062	Playoff	11	5	10	11	11
2063-64	22	11	11	22	11	2063	Playoff	11	5	10	11	11
2064-65	22	11	11	22	11	2064	Playoff	11	5	10	11	11
2065-66	22	11	11	22	11	2065	Playoff	11	5	10	11	11
2066-67	22	11	11	22	11	2066	Playoff	11	5	10	11	11
2067-68	22	11	11	22	11	2067	Playoff	11	5	10	11	11
2068-69	22	11	11	22	11	2068	Playoff	11	5	10	11	11
2069-70	22	11	11	22	11	2069	Playoff	11	5	10	11	11
2070-71	22	11	11	22	11	2070	Playoff	11	5	10	11	11
2071-72	22	11	11	22	11	2071	Playoff	11	5	10	11	11
2072-73	22	11	11	22	11	2072	Playoff	11	5	10	11	11
2073-74	22	11	11	22	11	2073	Playoff	11	5	10	11	11
2074-75	22	11	11	22	11	2074	Playoff	11	5	10	11	11
2075-76	22	11	11	22	11	2075	Playoff	11	5	10	11	11
2076-77	22	11	11	22	11	2076	Playoff	11	5	10	11	11
2077-78	22	11	11	22	11	2077	Playoff	11	5	10	11	11
2078-79	22	11	11	22	11	2078	Playoff	11	5	10	11	11
2079-80	22	11	11	22	11	2079	Playoff	11	5	10	11	11
2080-81	22	11	11	22	11	2080	Playoff	11	5	10	11	11
2081-82	22	11	11	22	11	2081	Playoff	11	5	10	11	11
2082-83	22	11	11	22	11	2082	Playoff	11	5	10	11	11
2083-84	22	11	11	22	11	2083	Playoff	11	5	10	11	11
2084-85	22	11	11	22	11	2084	Playoff	11	5	10	11	11
2085-86	22	11	11	22	11	2085	Playoff	11	5	10	11	11
2086-87	22	11	11	22	11	2086	Playoff	11	5	10	11	11
2087-88	22	11	11	22	11	2087	Playoff	11	5	10	11	11
2088-89	22	11	11	22	11	2088	Playoff	11	5	10	11	11
2089-90	22	11	11	22	11	2089	Playoff	11	5	10	11	11
2090-91	22	11	11	22	11	2090	Playoff	11	5	10	11	11
2091-92	22	11	11	22	11	2091	Playoff	11	5	10	11	11
2092-93	22	11	11	22	11	2092	Playoff	11	5	10	11	11
2093-94	22	11	11	22	11	2093	Playoff	11	5	10	11	11
2094-95	22	11	11	22	11	2094	Playoff	11	5	10	11	11
2095-96	22	11	11	22	11	2095	Playoff	11	5	10	11	11
2096-97	22	11	11	22	11	2096	Playoff	11	5	10	11	11
2097-98	22	11	11	22	11	2097	Playoff	11	5	10	11	11
2098-99	22	11	11	22	11	2098	Playoff	11	5	10	11	11
2099-00	22	11	11	22	11	2099	Playoff	11	5	10	11	11
2100-01	22	11	11	22	11	2100	Playoff	11	5	10	11	11



SOLUTION:

Pay people to take care of league data

Team	GP	G	A	Pts	PM	Year	Playoff	GP	G	A	Pts	PM
Team 1	10	10	10	10	10	2010	10	10	10	10	10	10
Team 2	10	10	10	10	10	2011	10	10	10	10	10	10
Team 3	10	10	10	10	10	2012	10	10	10	10	10	10
Team 4	10	10	10	10	10	2013	10	10	10	10	10	10
Team 5	10	10	10	10	10	2014	10	10	10	10	10	10



Next Steps: Getting the Following Data to the Public

Accessible Player stats

Play by Play data

Player salary info



Team	GP	A	PIS	PM	Year	Player	GP	G	A	PIS	PM
PHF	10	10	10	10	2011	...	...	...	...	...	...
PHF	10	10	10	10	2012	...	...	...	...	...	...



Next Steps: Make sure players, coaches, hockey ops know how to find

Team & League Stats

Player Microstats (+ TOI)

How to submit corrections



Team	W	L	OTL	PTS	GF	GA
Florida Panthers	10	10	1	21	48	42
Washington Capitals	10	10	1	21	48	42
Philadelphia Flyers	10	10	1	21	48	42
Arizona Coyotes	10	10	1	21	48	42
San Jose Sharks	10	10	1	21	48	42
Los Angeles Kings	10	10	1	21	48	42
St. Louis Blues	10	10	1	21	48	42
Chicago Blackhawks	10	10	1	21	48	42
Colorado Avalanche	10	10	1	21	48	42
Minnesota Wild	10	10	1	21	48	42
Dallas Stars	10	10	1	21	48	42
Carolina Hurricanes	10	10	1	21	48	42
Edmonton Oilers	10	10	1	21	48	42
Seattle Kraken	10	10	1	21	48	42
Arizona Coyotes	10	10	1	21	48	42
San Jose Sharks	10	10	1	21	48	42
Los Angeles Kings	10	10	1	21	48	42
St. Louis Blues	10	10	1	21	48	42
Chicago Blackhawks	10	10	1	21	48	42
Colorado Avalanche	10	10	1	21	48	42
Minnesota Wild	10	10	1	21	48	42
Dallas Stars	10	10	1	21	48	42
Carolina Hurricanes	10	10	1	21	48	42
Edmonton Oilers	10	10	1	21	48	42
Seattle Kraken	10	10	1	21	48	42



Past Connection With

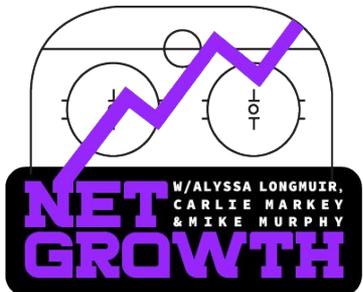
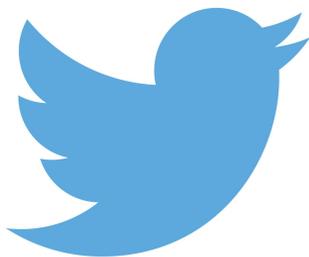


+ ✨ Latest Tweets ✨ +





Current Community Through





Next Steps: Creating positions & research/viz niches to fill

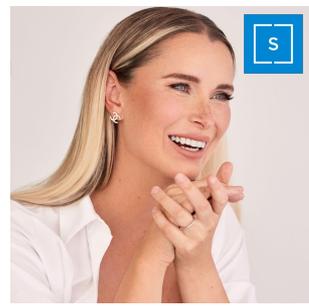


Player, Coach,
GM buy-in

Game	Opponent	Score	Goals	Assists	Points	Penalty Minutes	Shots	Saves	Time on Ice
1	St. Lawrence	3-2	1	1	2	15	12	15	18:45
2	Clarkson	4-1	2	2	4	10	18	12	22:30
3	Colgate	2-1	1	1	2	20	10	18	20:15
4	Union	1-3	0	0	0	18	15	12	15:45
5	Yale	2-2	1	1	2	25	12	18	25:00
6	Harvard	3-4	2	2	4	15	18	15	20:45
7	Cornell	1-2	0	0	0	20	15	12	18:30
8	Dartmouth	2-1	1	1	2	18	12	15	22:15
9	Princeton	1-0	0	0	0	22	18	15	20:00
10	MIT	2-3	1	1	2	15	15	12	18:45
11	Brown	3-1	2	1	3	12	18	15	20:30
12	Stanford	1-2	0	0	0	20	15	12	18:15
13	Northwestern	2-1	1	1	2	18	12	15	22:00
14	Wisconsin	1-3	0	0	0	25	18	15	20:45
15	Michigan	2-2	1	1	2	20	15	12	18:30
16	Minnesota	1-1	0	0	0	22	18	15	20:15
17	Illinois	2-3	1	1	2	15	15	12	18:45
18	Ohio State	1-2	0	0	0	20	15	12	18:30
19	Michigan State	2-1	1	1	2	18	12	15	22:15
20	Notre Dame	1-0	0	0	0	22	18	15	20:00
21	Wisconsin	2-3	1	1	2	15	15	12	18:45
22	Michigan	1-2	0	0	0	20	15	12	18:30
23	Minnesota	2-1	1	1	2	18	12	15	22:00
24	Illinois	1-3	0	0	0	25	18	15	20:45
25	Ohio State	2-2	1	1	2	20	15	12	18:30
26	Michigan State	1-1	0	0	0	22	18	15	20:15
27	Notre Dame	2-3	1	1	2	15	15	12	18:45
28	Wisconsin	1-2	0	0	0	20	15	12	18:30
29	Michigan	2-1	1	1	2	18	12	15	22:15
30	Minnesota	1-0	0	0	0	22	18	15	20:00



Next Steps: Future Positions & Visibility



Player	GP	G	A	Pts	PP	Pen Pts	Shots	Blocked	Time on Ice
100	10	2	1	3	0	0	15	5	120:00
101	10	1	2	3	0	0	12	4	115:00
102	10	0	1	1	0	0	10	3	110:00
103	10	1	3	4	0	0	18	6	125:00
104	10	0	2	2	0	0	14	5	118:00
105	10	1	1	2	0	0	11	4	112:00
106	10	0	0	0	0	0	8	2	105:00
107	10	2	2	4	0	0	16	5	122:00
108	10	1	1	2	0	0	13	4	116:00
109	10	0	1	1	0	0	9	3	108:00
110	10	1	2	3	0	0	14	5	119:00
111	10	0	0	0	0	0	7	2	102:00
112	10	1	1	2	0	0	12	4	114:00
113	10	0	1	1	0	0	10	3	111:00
114	10	1	2	3	0	0	15	5	120:00
115	10	0	0	0	0	0	6	2	100:00
116	10	1	1	2	0	0	11	4	113:00
117	10	0	1	1	0	0	9	3	107:00
118	10	1	2	3	0	0	14	5	118:00
119	10	0	0	0	0	0	5	1	98:00
120	10	1	1	2	0	0	11	4	113:00



Projects



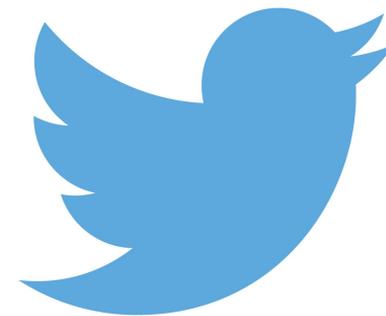
Team	Score	Time	Period
Team A	1	12:34	1st
Team B	0	12:34	1st
Team A	2	18:45	1st
Team B	1	22:10	1st
Team A	3	28:56	1st
Team B	2	35:12	1st
Team A	4	41:23	1st
Team B	3	47:34	1st
Team A	5	53:45	1st
Team B	4	59:56	1st
Team A	6	05:12	2nd
Team B	5	11:23	2nd
Team A	7	17:34	2nd
Team B	6	23:45	2nd
Team A	8	29:56	2nd
Team B	7	36:07	2nd
Team A	9	42:18	2nd
Team B	8	48:29	2nd
Team A	10	54:40	2nd
Team B	9	00:51	3rd
Team A	11	07:02	3rd
Team B	10	13:13	3rd
Team A	12	19:24	3rd
Team B	11	25:35	3rd
Team A	13	31:46	3rd
Team B	12	37:57	3rd
Team A	14	44:08	3rd
Team B	13	50:19	3rd
Team A	15	56:30	3rd
Team B	14	02:41	OT
Team A	16	08:52	OT
Team B	15	15:03	OT
Team A	17	21:14	OT
Team B	16	27:25	OT
Team A	18	33:36	OT
Team B	17	39:47	OT
Team A	19	45:58	OT
Team B	18	52:09	OT
Team A	20	58:20	OT
Team B	19	04:31	2OT
Team A	21	10:42	2OT
Team B	20	16:53	2OT
Team A	22	23:04	2OT
Team B	21	29:15	2OT
Team A	23	35:26	2OT
Team B	22	41:37	2OT
Team A	24	47:48	2OT
Team B	23	53:59	2OT
Team A	25	00:10	3OT
Team B	24	06:21	3OT
Team A	26	12:32	3OT
Team B	25	18:43	3OT
Team A	27	24:54	3OT
Team B	26	31:05	3OT
Team A	28	37:16	3OT
Team B	27	43:27	3OT
Team A	29	49:38	3OT
Team B	28	55:49	3OT
Team A	30	02:00	4OT
Team B	29	08:11	4OT
Team A	31	14:22	4OT
Team B	30	20:33	4OT
Team A	32	26:44	4OT
Team B	31	32:55	4OT
Team A	33	39:06	4OT
Team B	32	45:17	4OT
Team A	34	51:28	4OT
Team B	33	57:39	4OT
Team A	35	03:50	5OT
Team B	34	10:01	5OT
Team A	36	16:12	5OT
Team B	35	22:23	5OT
Team A	37	28:34	5OT
Team B	36	34:45	5OT
Team A	38	40:56	5OT
Team B	37	47:07	5OT
Team A	39	53:18	5OT
Team B	38	59:29	5OT
Team A	40	05:40	6OT
Team B	39	11:51	6OT
Team A	41	18:02	6OT
Team B	40	24:13	6OT
Team A	42	30:24	6OT
Team B	41	36:35	6OT
Team A	43	42:46	6OT
Team B	42	48:57	6OT
Team A	44	55:08	6OT
Team B	43	01:19	7OT
Team A	45	07:30	7OT
Team B	44	13:41	7OT
Team A	46	19:52	7OT
Team B	45	26:03	7OT
Team A	47	32:14	7OT
Team B	46	38:25	7OT
Team A	48	44:36	7OT
Team B	47	50:47	7OT
Team A	49	56:58	7OT
Team B	48	03:09	8OT
Team A	50	09:20	8OT
Team B	49	15:31	8OT
Team A	51	21:42	8OT
Team B	50	27:53	8OT
Team A	52	34:04	8OT
Team B	51	40:15	8OT
Team A	53	46:26	8OT
Team B	52	52:37	8OT
Team A	54	58:48	8OT
Team B	53	04:59	9OT
Team A	55	11:10	9OT
Team B	54	17:21	9OT
Team A	56	23:32	9OT
Team B	55	29:43	9OT
Team A	57	35:54	9OT
Team B	56	42:05	9OT
Team A	58	48:16	9OT
Team B	57	54:27	9OT
Team A	59	00:38	10OT
Team B	58	06:49	10OT
Team A	60	13:00	10OT
Team B	59	19:11	10OT
Team A	61	25:22	10OT
Team B	60	31:33	10OT
Team A	62	37:44	10OT
Team B	61	43:55	10OT
Team A	63	50:06	10OT
Team B	62	56:17	10OT
Team A	64	02:28	11OT
Team B	63	08:39	11OT
Team A	65	14:50	11OT
Team B	64	21:01	11OT
Team A	66	27:12	11OT
Team B	65	33:23	11OT
Team A	67	39:34	11OT
Team B	66	45:45	11OT
Team A	68	51:56	11OT
Team B	67	58:07	11OT
Team A	69	04:18	12OT
Team B	68	10:29	12OT
Team A	70	16:40	12OT
Team B	69	22:51	12OT
Team A	71	29:02	12OT
Team B	70	35:13	12OT
Team A	72	41:24	12OT
Team B	71	47:35	12OT
Team A	73	53:46	12OT
Team B	72	59:57	12OT
Team A	74	06:08	13OT
Team B	73	12:19	13OT
Team A	75	18:30	13OT
Team B	74	24:41	13OT
Team A	76	30:52	13OT
Team B	75	36:63	13OT
Team A	77	43:14	13OT
Team B	76	49:25	13OT
Team A	78	55:36	13OT
Team B	77	01:47	14OT
Team A	79	07:58	14OT
Team B	78	14:09	14OT
Team A	80	20:20	14OT
Team B	79	26:31	14OT
Team A	81	32:42	14OT
Team B	80	38:53	14OT
Team A	82	45:04	14OT
Team B	81	51:15	14OT
Team A	83	57:26	14OT
Team B	82	03:37	15OT
Team A	84	09:48	15OT
Team B	83	16:00	15OT
Team A	85	22:11	15OT
Team B	84	28:22	15OT
Team A	86	34:33	15OT
Team B	85	40:44	15OT
Team A	87	46:55	15OT
Team B	86	53:06	15OT
Team A	88	59:17	15OT
Team B	87	05:28	16OT
Team A	89	11:39	16OT
Team B	88	18:50	16OT
Team A	90	25:01	16OT
Team B	89	31:12	16OT
Team A	91	37:23	16OT
Team B	90	37:34	16OT
Team A	92	43:45	16OT
Team B	91	49:56	16OT
Team A	93	56:07	16OT
Team B	92	02:18	17OT
Team A	94	08:29	17OT
Team B	93	14:40	17OT
Team A	95	20:51	17OT
Team B	94	27:02	17OT
Team A	96	33:13	17OT
Team B	95	39:24	17OT
Team A	97	45:35	17OT
Team B	96	51:46	17OT
Team A	98	57:57	17OT
Team B	97	04:08	18OT
Team A	99	10:19	18OT
Team B	98	16:30	18OT
Team A	100	22:41	18OT
Team B	99	29:02	18OT
Team A	101	35:13	18OT
Team B	100	41:24	18OT



A Running Start using the Men's Hockey Analytics Model

- Viz: Heat Maps, Location Viz, PBP tracking, Scoring Viz, & Two-Player Comparison Tool
- Research: Corsi, Game Score, NWHLe, Aging Curves, Scoring efficiency, Possession, & Developing the shot metric “Steady”

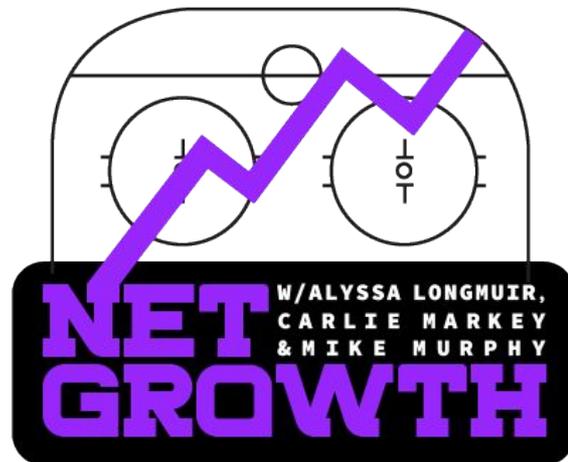
Platform:





Current Efforts: Platforming Projects

META HOCKEY





Current Efforts: Stats-Based Articles on Traditional Platforms



FiveThirtyEight



Current Efforts: Stimulating Project Development



Next Steps: Using Unique Skills



Participate!

 @quarkyhockey



Image credit:
@flyerswitch (mio)

Niches to be filled:

- Game Viz
- Understanding analytical differences between women's and men's hockey
- Player development (particularly U18)

 carleenmarkey.com

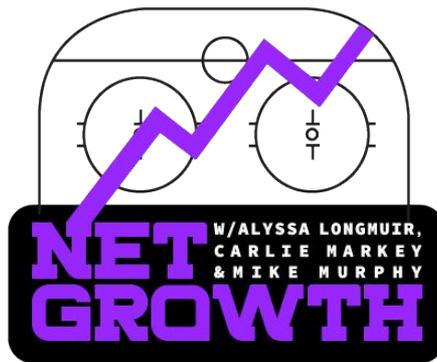
Next Steps: Make Projects Visible & Accessible

META HOCKEY

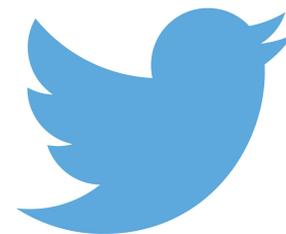
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Have web design skills?
Message me if you wanna
help platform hockey
projects

 @quarkyhockey



Listen for the new projects
we chat about & join the
discord!



@ me (or Alyssa or Mike) on
twitter with your projects, I
will make sure they get eyes
on them

 carleenmarkey.com



Public Sphere Action items

- Use women's hockey data in the Big Data Cup
- Explore other data at whkyhac.com/data by making some graphs, integrate stats into an article, putting your own unique spin on analytics, fill a niche or two
- Help get data sources to the public
- Reach out to your local women's team to help with stats or track some shots! (shot-plotter.netlify.app)
- Get involved with Net Growth, MetaHockey (2.0), SportsDataVerse



Private Sphere Action items

- PAY PEOPLE TO TAKE CARE OF WOMEN'S HOCKEY DATA
- Hire women's hockey analytics experts for women's hockey stats things
- Integrate stats into articles, writeups, & video analysis
- Introduce whoockey players/coaches/GMs to hockey analytics concepts
- Make sure players/coaches/GMs know where to find their stats
- Listen to Net Growth/follow people on twitter to keep up w/ community
- Help get data sources to the public

WHOCKEY STATS BINGO

Use BDC hockey data in public or private analysis

Get familiar with 1+ past hockey projects (metahockey.com)

Try out an unconventional way of doing analytics

Tinker with non-BDC data (make some graphs, etc.)

Free Space (Watch a women's hockey game!)

Platform a project in a significant way

Attend WHKYHAC (whkyhac.com/register)

Walk someone through a women's hockey analytics project

Help make women's hockey data a little more accessible