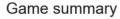
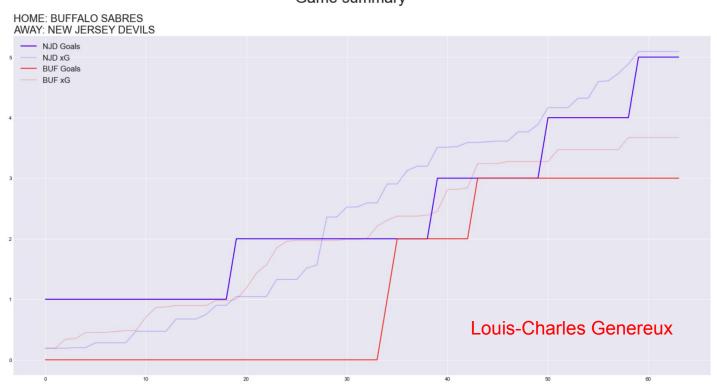
NHL Hockey Analytics Project

Louis-Charles Genereux

Link to github repo

Game flowchart (expected goals vs actual)





Player expected output per 60 minutes played

Player cap_hit GP Goals Assists EV_netX6_per_60 clutch_factor BERGERON, PATRICE \$6,875,000 65 20 36 1.672129 0.651593 TKACHUK, MATTHEW \$7,000,000 73 37 55 1.619879 0.825124 MARCHMENT, MASON \$800,000 47 15 25 1.453463 0.993966 MATTHEWS, AUSTON \$11,640,250 67 57 41 1.441272 0.856343 GAUDREAU, JOHNNY \$6,750,000 73 34 67 1.391211 0.896832 BARKOV, ALEKSANDER \$5,900,000 59 33 46 1.331178 0.871232 LINDHOLM, ELIAS \$4,850,000 73 38 36 1.325748 0.665673 REINHART, SAM \$6,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 71 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.168834 0.540273 BUNTING MICHAEL \$955,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, RODPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 71 22 31 1.136670 0.725719 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 22 24 0.883450 0.547679 HANIFIN, NOAH \$4,950,000 73 22 24 0.883450 0.495546 HUBERDEAU, JONATHAN \$5,900,000 73 22 24 0.883450 0.495546		100 M	VENEZA			and an entire of the second	100 B 100 BO B
TKACHUK, MATTHEW \$7,000,000 73 37 55 1.619879 0.825124 MARCHMENT, MASON \$800,000 47 15 25 1.453463 0.993966 MATTHEWS, AUSTON \$11,640,250 67 57 41 1.441272 0.856343 GAUDREAU, JOHNNY \$6,750,000 73 34 67 1.391211 0.896832 BARKOV, ALEKSANDER \$5,900,000 59 33 46 1.325748 0.666673 REINHART, SAM \$6,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZLE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 22 45 1.007313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASHUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 72 8 33 0.961954 0.435209 ANDERSSON, RASHUS \$4,550,000 72 8 33 0.961954 0.435209 ANDERSSON, RASHUS \$4,550,000 73 22 24 0.883450 0.494546	Player	cap_hit	GP	Goals	Assists	EV_netXG_per_60	clutch_factor
MARCHMENT, MASON \$800,000 47 15 25 1.453463 0.993966 MATTHEWS, AUSTON \$11,640,250 67 57 41 1.441272 0.856343 GAUDREAU, JOHNNY \$6,750,000 73 34 67 1.391211 0.896832 BARKOV, ALEKSANDER \$5,900,000 59 33 46 1.331178 0.871232 LINDHOLM, ELIAS \$4,850,000 73 38 36 1.325748 0.665673 REINHART, SAM \$6,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARYIDSSON, VIKTOR \$4,250,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 42 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.455756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	BERGERON, PATRICE	\$6,875,000	65	20	36	1.672129	0.651593
MATTHEWS, AUSTON \$11,640,250 67 57 41 1.441272 0.856343 GAUDREAU, JOHNNY \$6,750,000 73 34 67 1.391211 0.896832 BARKOV, ALEKSANDER \$5,900,000 59 33 46 1.331178 0.871232 LINDHOLM, ELIAS \$4,850,000 73 38 36 1.325748 0.665673 REINHART, SAM \$6,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, VIKTOR \$4,250,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 22 24 0.883450 0.494546	TKACHUK, MATTHEW	\$7,000,000	73	37	55	1.619879	0.825124
GAUDREAU, JOHNNY \$6,750,000 73 34 67 1.391211 0.896832 BARKOV, ALEKSANDER \$5,900,000 59 33 46 1.331178 0.871232 LINDHOLM, ELIAS \$4,850,000 73 38 36 1.325748 0.665673 REINHART, SAM \$6,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 62 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	MARCHMENT, MASON	\$800,000	47	15	25	1.453463	0.993966
BARKOV, ALEKSANDER \$5,900,000 59 33 46 1.331178 0.871232 LINDHOLM, ELIAS \$4,850,000 73 38 36 1.325748 0.665673 REINHART, SAM \$6,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	MATTHEWS, AUSTON	\$11,640,250	67	57	41	1.441272	0.856343
LINDHOLM, ELIAS \$4,850,000 73 38 36 1.325748 0.665673 REINHART, SAM \$0,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 62 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	GAUDREAU, JOHNNY	\$6,750,000	73	34	67	1.391211	0.896832
REINHART, SAM \$6,500,000 69 27 44 1.283828 0.766390 MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 2 2 4 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	BARKOV, ALEKSANDER	\$5,900,000	59	33	46	1.331178	0.871232
MARNER, MITCHELL \$10,903,000 63 31 57 1.275403 0.854705 WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	LINDHOLM, ELIAS	\$4,850,000	73	38	36	1.325748	0.665673
WEEGAR, MACKENZIE \$3,250,000 72 7 34 1.252996 0.406210 MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.8833450 0.494546	REINHART, SAM	\$6,500,000	69	27	44	1.283828	0.766390
MANGIAPANE, ANDREW \$2,425,000 73 31 18 1.240909 0.651881 MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	MARNER, MITCHELL	\$10,903,000	63	31	57	1.275403	0.854705
MCDAVID, CONNOR \$12,500,000 73 42 66 1.211754 0.749482 PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	WEEGAR, MACKENZIE	\$3,250,000	72	7	34	1.252996	0.406210
PULJUJARVI, JESSE \$1,175,000 60 13 21 1.195167 0.442870 HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	MANGIAPANE, ANDREW	\$2,425,000	73	31	18	1.240909	0.651881
HORNQVIST, PATRIC \$5,300,000 56 10 14 1.174336 0.461076 ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	MCDAVID, CONNOR	\$12,500,000	73	42	66	1.211754	0.749482
ROBERTSON, JASON \$795,000 64 34 34 1.173106 0.757913 EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	PULJUJARVI, JESSE	\$1,175,000	60	13	21	1.195167	0.442870
EKBLAD, AARON \$7,500,000 61 15 42 1.168834 0.540273 BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	HORNQVIST, PATRIC	\$5,300,000	56	10	14	1.174336	0.461076
BUNTING, MICHAEL \$950,000 72 20 36 1.165741 0.744659 MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	ROBERTSON, JASON	\$795,000	64	34	34	1.173106	0.757913
MARCHAND, BRAD \$6,125,000 62 31 42 1.150211 0.875253 VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	EKBLAD, AARON	\$7,500,000	61	15	42	1.168834	0.540273
VERHAEGHE, CARTER \$1,000,000 71 22 31 1.136670 0.725719 HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	BUNTING, MICHAEL	\$950,000	72	20	36	1.165741	0.744659
HINTZ, ROOPE \$3,150,000 70 32 30 1.108490 0.669795 MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	MARCHAND, BRAD	\$6,125,000	62	31	42	1.150211	0.875253
MCAVOY, CHARLIE \$4,900,000 70 8 44 1.070313 0.472916 BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	VERHAEGHE, CARTER	\$1,000,000	71	22	31	1.136670	0.725719
BRATT, JESPER \$2,750,000 67 22 45 1.007509 0.810814 SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	HINTZ, ROOPE	\$3,150,000	70	32	30	1.108490	0.669795
SANDIN, RASMUS \$894,167 51 5 11 0.965265 0.302125 ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	MCAVOY, CHARLIE	\$4,900,000	70	8	44	1.070313	0.472916
ARVIDSSON, VIKTOR \$4,250,000 60 20 24 0.964895 0.547679 HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	BRATT, JESPER	\$2,750,000	67	22	45	1.007509	0.810814
HANIFIN, NOAH \$4,950,000 72 8 33 0.961954 0.435209 ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	SANDIN, RASMUS	\$894,167	51	5	11	0.965265	0.302125
ANDERSSON, RASMUS \$4,550,000 73 4 42 0.937618 0.388940 LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	ARVIDSSON, VIKTOR	\$4,250,000	60	20	24	0.964895	0.547679
LILJEGREN, TIMOTHY \$863,333 52 4 17 0.910910 0.459756 DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	HANIFIN, NOAH	\$4,950,000	72	8	33	0.961954	0.435209
DANAULT, PHILLIP \$5,500,000 73 22 24 0.883450 0.494546	ANDERSSON, RASMUS	\$4,550,000	73		42	0.937618	0.388940
	LILJEGREN, TIMOTHY	\$863,333	52	4	17	0.910910	0.459756
HUBERDEAU, JONATHAN \$5,900,000 72 28 76 0.879214 0.990708	DANAULT, PHILLIP	\$5,500,000	73	22	24	0.883450	0.494546
	HUBERDEAU, JONATHAN	\$5,900,000	72	28	76	0.879214	0.990708

Net goals per 60 minutes:

(goals for - goals against) per 60 minutes played

Louis-Charles Genereux

Determining fair salary by using nearest neighbors

Nearest neighbor for :SUZUKI, NICK Current salary (M) :0.86 Fair salary (M) :5.9														
	Player	cap_hit	Shots	Goals	Assists	Hits	PIM	EV_netXG_per_60	EV_for_agg	PP_for_agg	PK_for_agg	EV_against_agg	PP_against_agg	PK_against_agg
736	SUZUKI, NICK	\$863,333	169	19	34	82	28	-0.534752	48.704315	29.084638	3.652792	58.824200	4.630569	15.287361
756	ATKINSON, CAM	\$5,875,000	215	23	27	20	10	-0.555966	44.578557	24.172290	3.302617	53.916778	4.169118	17.673317
875	JENNER, BOONE	\$3,750,000	160	23	21	80	22	-0.897461	41.886786	22.163104	2.251604	55.898902	2.899678	14.313544
373	COUTURE, LOGAN	\$8,000,000	180	23	26	89	18	0.107027	53.358805	23.814999	2.378340	51.620120	3.171604	17.274730
406	HERTL, TOMAS	\$5,625,000	188	28	31	95	28	0.042016	57.921224	24.778282	1.639198	57.123103	3.820062	15.252877
457	HORVAT, BO	\$5,500,000	191	30	21	95	40	-0.049572	48.072381	34.177753	2.223554	48.927796	4.039157	12.059315
264	TERAVAINEN, TEUVO	\$5,400,000	181	19	38	15	22	0.297234	50.497797	33.339639	3.311357	46.018644	5.014880	9.106525
601	KELLER, CLAYTON	\$7,150,000	177	28	35	17	28	-0.265535	48.837076	21.489780	1.887423	53.612949	3.659570	12.510014

In 2021-2022, Nick Suzuki earned \$860K, but signed a \$7.875M contract starting next year. Based on his performance and his peers, he should earn \$5.9M

Canadiens, Nick Suzuki agree to eight-year, \$63 million extension

The Montreal Canadiens and Nick Suzuki have agreed to terms on an eight-year, \$63 million contract, the club announced Tuesday.

The deal carries an average annual value of \$7.875 million and runs from 2022-23 to 2029-30.

<u>Link</u>

Effect of player on partner's Net Expected Goal Creation, relative to situations when player is not paired with partner

