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| --- | --- | --- | --- | --- | --- |
| Cluster  Definition | Cluster  Equation | Cluster  Size | Top Player | Strongest  Point | Weakest  Point |
| LM\_1:  CSS\_rank <= 12 | CSS\_rank \* -19.03 + po\_PlusMinus \* 4.56 + Weight \* 3.06 | 119 = 72(training set) + 47(testing set) | Patrick Kane | po\_Assits = 21 vs. po\_Assists\_group = 3  rs\_Points = 154 vs. rs\_Points\_group = 41 | Weight = 203  vs. Weight\_group =194 |
| LM\_6:  CSS\_rank > 12 &  Points > 11.5 &  PlusMinus >= 1 &  Assists > 10.5 | (country\_group = ‘EURO’) \* -8.86 + po\_PIM \* 1.46 + po\_GP \* 1.08 | 18 = 13(training set) + 5(testing set) | Brad Marchand | po\_GP = 25 vs.  po\_GP\_group = 19  Height = 69 vs.  Height\_group = 72 | po\_PIM = 36 vs.  po\_PIM\_group = 20 |

[1] Michael E. Schuckers (2016), 'Draft by Numbers: Using Data and Analytics to Improve National Hockey League(NHL) Player Selection'. *MIT Sloan Sports Analytics Conference*.

[2] Weissbock, J. (2015), 'Draft Analytics: Unveiling The Prospect Cohort Success Model'.

[3] Landwehr, N.; Hall, M. & Frank, E. (2004), 'Logistic Model Tree'.