root

|-- date: string (nullable = true)

|-- game\_size: string (nullable = true)

|-- match\_id: string (nullable = true)

|-- match\_mode: string (nullable = true)

|-- party\_size: string (nullable = true)

|-- player\_assists: string (nullable = true)

|-- player\_dbno: string (nullable = true)

|-- player\_dist\_ride: string (nullable = true)

|-- player\_dist\_walk: string (nullable = true)

|-- player\_dmg: string (nullable = true)

|-- player\_kills: string (nullable = true)

|-- player\_name: string (nullable = true)

|-- player\_survive\_time: string (nullable = true)

|-- team\_id: string (nullable = true)

|-- team\_placement: string (nullable = true)

Raw Data -------------------------------

+----------+-------------------+--------------+

|player\_dmg|player\_survive\_time|team\_placement|

+----------+-------------------+--------------+

| 117.0| 1106.32| 18.0|

| 127.0| 1106.315| 18.0|

| 67.0| 235.558| 33.0|

| 0.0| 197.553| 33.0|

| 175.0| 1537.495| 11.0|

| 65.0| 1537.5| 11.0|

| 0.0| 1264.792| 17.0|

| 0.0| 1264.795| 17.0|

| 79.0| 868.56| 24.0|

| 101.0| 868.555| 24.0|

| 54.0| 1939.846| 4.0|

| 34.0| 1939.851| 4.0|

| 0.0| 160.64| 34.0|

| 215.0| 180.90099999999998| 34.0|

| 75.0| 2181.815| 2.0|

| 84.0| 2181.82| 2.0|

| 0.0| 1583.1570000000002| 3.0|

| 673.0| 2009.7220000000002| 3.0|

| 117.0| 1032.6480000000001| 20.0|

| 100.0| 513.487| 20.0|

+----------+-------------------+--------------+

only showing top 20 rows

Schema before pre-processing -------------------------------

root

|-- player\_dmg: double (nullable = true)

|-- player\_survive\_time: double (nullable = true)

|-- team\_placement: double (nullable = true)

+----------+-------------------+--------------+------------------+

|player\_dmg|player\_survive\_time|team\_placement|team\_placement\_grp|

+----------+-------------------+--------------+------------------+

| 117.0| 1106.32| 18.0| 1.0|

| 127.0| 1106.315| 18.0| 1.0|

| 67.0| 235.558| 33.0| 2.0|

| 0.0| 197.553| 33.0| 2.0|

| 175.0| 1537.495| 11.0| 0.0|

| 65.0| 1537.5| 11.0| 0.0|

| 0.0| 1264.792| 17.0| 1.0|

| 0.0| 1264.795| 17.0| 1.0|

| 79.0| 868.56| 24.0| 1.0|

| 101.0| 868.555| 24.0| 1.0|

| 54.0| 1939.846| 4.0| 0.0|

| 34.0| 1939.851| 4.0| 0.0|

| 0.0| 160.64| 34.0| 2.0|

| 215.0| 180.90099999999998| 34.0| 2.0|

| 75.0| 2181.815| 2.0| 0.0|

| 84.0| 2181.82| 2.0| 0.0|

| 0.0| 1583.1570000000002| 3.0| 0.0|

| 673.0| 2009.7220000000002| 3.0| 0.0|

| 117.0| 1032.6480000000001| 20.0| 1.0|

| 100.0| 513.487| 20.0| 1.0|

+----------+-------------------+--------------+------------------+

only showing top 20 rows

We have training examples count :: 19388726 and test examples count ::8304836

player\_dmg ::

player\_survive\_time ::

team\_placement ::

Total Stages in pipeline -3

Applying pipeline , fitting data -

2018-06-22 23:50:57 WARN BLAS:61 - Failed to load implementation from: com.github.fommil.netlib.NativeSystemBLAS

2018-06-22 23:50:57 WARN BLAS:61 - Failed to load implementation from: com.github.fommil.netlib.NativeRefBLAS

Applying Prediction model, Stage -3

Pfrediction model applied successfully on test data

+----------+-------------------+--------------+------------------+--------------------+--------------------+--------------------+--------------------+----------+

|player\_dmg|player\_survive\_time|team\_placement|team\_placement\_grp| rawFeatures| features| rawPrediction| probability|prediction|

+----------+-------------------+--------------+------------------+--------------------+--------------------+--------------------+--------------------+----------+

| 0.0| 51.788999999999994| 89.0| 2.0|[0.0,51.788999999...|[0.0,51.788999999...|[0.15205934045840...|[0.15327253891517...| 2.0|

| 0.0| 63.343999999999994| 90.0| 2.0|[0.0,63.343999999...|[0.0,63.343999999...|[0.15205934045840...|[0.15092035962636...| 2.0|

| 0.0| 65.352| 85.0| 2.0| [0.0,65.352,85.0]| [0.0,65.352,85.0]|[0.15205934045840...|[0.16287624423900...| 2.0|

| 0.0| 66.82600000000001| 28.0| 2.0|[0.0,66.826000000...|[0.0,66.826000000...|[0.15205934045840...|[0.31431497807727...| 2.0|

| 0.0| 68.34899999999999| 99.0| 2.0|[0.0,68.348999999...|[0.0,68.348999999...|[0.15205934045840...|[0.13069442627583...| 2.0|

| 0.0| 69.184| 98.0| 2.0| [0.0,69.184,98.0]| [0.0,69.184,98.0]|[0.15205934045840...|[0.13285469909134...| 2.0|

| 0.0| 70.645| 93.0| 2.0| [0.0,70.645,93.0]| [0.0,70.645,93.0]|[0.15205934045840...|[0.14398623954787...| 2.0|

| 0.0| 70.738| 90.0| 2.0| [0.0,70.738,90.0]| [0.0,70.738,90.0]|[0.15205934045840...|[0.15092035962636...| 2.0|

| 0.0| 71.046| 96.0| 2.0| [0.0,71.046,96.0]| [0.0,71.046,96.0]|[0.15205934045840...|[0.13724195506445...| 2.0|

| 0.0| 71.837| 28.0| 2.0| [0.0,71.837,28.0]| [0.0,71.837,28.0]|[0.15205934045840...|[0.31431497807727...| 2.0|

| 0.0| 71.959| 99.0| 2.0| [0.0,71.959,99.0]| [0.0,71.959,99.0]|[0.15205934045840...|[0.13069442627583...| 2.0|

| 0.0| 71.967| 97.0| 2.0| [0.0,71.967,97.0]| [0.0,71.967,97.0]|[0.15205934045840...|[0.13503727852217...| 2.0|

| 0.0| 71.97| 98.0| 2.0| [0.0,71.97,98.0]| [0.0,71.97,98.0]|[0.15205934045840...|[0.13285469909134...| 2.0|

| 0.0| 72.932| 78.0| 2.0| [0.0,72.932,78.0]| [0.0,72.932,78.0]|[0.15205934045840...|[0.18037224857488...| 2.0|

| 0.0| 73.0| 50.0| 2.0| [0.0,73.0,50.0]| [0.0,73.0,50.0]|[0.15205934045840...|[0.25575205197335...| 2.0|

| 0.0| 73.422| 49.0| 2.0| [0.0,73.422,49.0]| [0.0,73.422,49.0]|[0.15205934045840...|[0.25849439887516...| 2.0|

| 0.0| 73.501| 44.0| 2.0| [0.0,73.501,44.0]| [0.0,73.501,44.0]|[0.15205934045840...|[0.27214283576669...| 2.0|

| 0.0| 73.798| 95.0| 2.0| [0.0,73.798,95.0]| [0.0,73.798,95.0]|[0.15205934045840...|[0.13946850373722...| 2.0|

| 0.0| 74.34899999999999| 96.0| 2.0|[0.0,74.348999999...|[0.0,74.348999999...|[0.15205934045840...|[0.13724195506445...| 2.0|

| 0.0| 74.39699999999999| 8.0| 0.0|[0.0,74.396999999...|[0.0,74.396999999...|[0.15205934045840...|[0.36119074569586...| 1.0|

+----------+-------------------+--------------+------------------+--------------------+--------------------+--------------------+--------------------+----------+

only showing top 20 rows

+------------------+----------+

|team\_placement\_grp|prediction|

+------------------+----------+

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 2.0| 2.0|

| 0.0| 1.0|

+------------------+----------+

only showing top 20 rows

**Test set accuracy = 0.6281937415741864**

**MSE = 0.371806**

**RMSE = 0.609759**

**R Squared = -0.553082**

**MAE = 0.371806**

**Explained Variance = 0.804223**