## CS571 ASSIGNMENT-07 **Linear Regression**

## b)Parameters of Model:

Intercept: 13.835629909636395

Coefficient (Slope): 1.339714757684125

## c)For Given Dataset:

Companies which should not circulate based on the Threshold value are:

Newspapers that should not circulate for Minimum Sales:

ALL papers will circulate based on minimum value threshold.

Newspapers that should not circulate for Maximum Sales:

- Baltimore Sun Boston Globe
- Boston Herald
- Charlotte Observer
- Chicago Sun Times
- Chicago Tribune Cincinnati Enquirer

- Des Moines Register
- Hartford Courant
- Houston Chronicle
- Kansas City Star Los Angeles Daily News
- Miami Herald
- Minneapolis Star Tribune
- New Orleans Times-Picayune New York Daily News
- Newsday Omaha World Herald
- Orange County Register
- Philadelphia Inquirer
- Pittsburgh Press Portland Oregonian
- Providence Journal-Bulletin
- Rochester Democrat & Chronicle
- Rocky Mountain News
- Sacramento Bee
- San Francisco Chronicle
- St. Louis Post-Dispatch
- St. Paul Pioneer Press
- Tampa Tribune
- Washington Post

Newspapers that should not circulate for Average Sales:

- Baltimore Sun
- Boston Herald
- Charlotte Observer
- Cincinnati Enquirer
- Denver Post
- Des Moines Register
- Hartford Courant
- Kansas City Star
- Los Angeles Daily News
- New Orleans Times-Picayune
- Omaha World Herald
- Orange County Register
- Pittsburgh Press
- Portland Oregonian
- Providence Journal-Bulletin
- Rochester Democrat & Chronicle
- Rocky Mountain News
- Sacramento Bee
- St. Louis Post-Dispatch
- St. Paul Pioneer Press
- Tampa Tribune

## For Test DataSet:

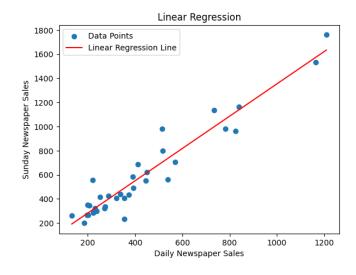
Washington Post

Newspapers that should not circulate for Minimum Sales:

All Papers will circulate based on minimum value threshold.

Newspapers that should not circulate for Maximum Sales: Baltimore Sun **Boston Globe Boston Herald** Newspapers that should not circulate for Average Sales: Charlotte Observer - Baltimore Sun Chicago Sun Times - Boston Herald Chicago Tribune - Charlotte Observer Cincinnati Enquirer - Cincinnati Enquirer Denver Post - Denver Post Des Moines Register - Des Moines Register Hartford Courant - Hartford Courant **Houston Chronicle** - Kansas City Star Kansas City Star Los Angeles Daily News - Los Angeles Daily News Miami Herald - New Orleans Times-Picayune Minneapolis Star Tribune - Omaha World Herald New Orleans Times-Picayune - Orange County Register New York Daily News - Pittsburgh Press Newsday - Portland Oregonian Omaha World Herald Orange County Register - Providence Journal-Bulletin - Rochester Democrat & Chronicle Philadelphia Inquirer Pittsburgh Press Portland Oregonian - Rocky Mountain News - Sacramento Bee Providence Journal-Bulletin - St. Louis Post-Dispatch Rochester Democrat & Chronicle - St. Paul Pioneer Press Rocky Mountain News Tampa Tribune Sacramento Bee St. Louis Post-Dispatch St. Paul Pioneer Press Tampa Tribune

This is the plot for the Dataset Points and the linear Regression.



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