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| Rivals Score | Estimated Draft Position |
| 730 | 4 |
| 790 | 1 |
| 390 | 16 |
| 580 | 11 |
| 350 | 22 |
| 400 | 14 |
| 640 | 10 |
| 520 | 12 |
| 700 | 5 |
| 730 | 4 |
| 770 | 3 |
| 530 | 11 |
| 690 | 6 |
| 590 | 10 |
| 650 | 8 |
| 600 | 10 |
| 690 | 7 |
| 640 | 9 |
| 410 | 13 |
| 450 | 13 |

Given the above data on the NFL draft, is there a relationship between Rival’s score and predicted draft round? Can you use the Rival’s scores to predict the round in which a player will get drafted?

1. Create a scatterplot with regression line for this data.
2. What is the linear prediction rule for score predicting draft round?
3. What is the predicted round for someone who scores 700?
4. What is the predicted round for someone who scores 300?
5. What is the effect size (proportionate reduction in error)?
6. Is the linear prediction rule significant? Use the 5 hypothesis testing steps?

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| Step 1: |
| Step 2: |
| Step 3: |
| Step 4: |
| Step 5: |