**RESULTS**

**Effect of PCA on Linear Regression:**

|  |  |  |
| --- | --- | --- |
| **Order** | **Before PCA** | **After PCA** |
| First | 0.8619 | 0.8619 |
| Second | 0.8669 | ***0.7599*** |

**Regression Models:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Order** | **Linear** | **Lasso** | **Ridge** |
| First | 0.8619 | ***0.8593*** | 0.8619 |
| Second | 0.8669 | ***0.8593*** | 0.8666 |

**LSTMS:**

|  |  |
| --- | --- |
| **Order** | **RMSE** |
| First | 1.155 |
| Second | ***0.824*** |

|  |  |  |
| --- | --- | --- |
| **Order** | **Regression** | **LSTM** |
| First | A screenshot of a cell phone  Description automatically generated | A screenshot of a cell phone  Description automatically generated |
| Second | A screenshot of a cell phone  Description automatically generated | A screenshot of a cell phone  Description automatically generated |