**Applying Recurrent Neural Networks for Weather feature predictions (Project Log file)**

Note: - Model descriptions are given in the project report.

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| **City** | **Model** | **Results** |
| San Antonio (Temperature) | Model 1  Batch: 100  Epochs: 25 | Accuracy ~ 0.72  Mean Squared Error ~ 0.134 |
|  | Model 2 (Additional LSTM Layers)  Batch: 32  Epochs: 50 | Accuracy ~ 0.73  Mean Squared Error ~ 0.133 |
| Dallas (Temperature) | Model 1  Batch: 100  Epochs: 25 | Accuracy ~ 0.72  Mean Squared Error ~ 0.131 |
|  | Model 2 (Additional LSTM Layers)  Batch: 32  Epochs: 50 | Accuracy ~ 0.74  Mean Squared Error ~ 0.0 |
| Houston (Temperature) | Model 1  Batch: 100  Epochs: 25 | Accuracy ~ 0.69  Mean Squared Error ~ 0.125 |
|  | Model 2 (Additional LSTM Layers)  Batch: 32  Epochs: 50 | Accuracy ~ 0.73  Mean Squared Error ~ 0.125 |
| San Antonio (Humidity) | Model 1  Batch: 100  Epochs: 25 | Accuracy ~ 0.545  Mean Squared Error ~ 0.211 |
|  | Model 2 (Higher Epochs, Lower Batch)  Batch: 75  Epochs: 45 | Accuracy ~ 0.55  Mean Squared Error ~ 0.21165 |
| Dallas (Humidity) | Model 1  Batch: 100  Epochs: 25 | Accuracy ~ 0.525  Mean Squared Error ~ 0.181 |
|  | Model 2 (Higher Epochs, Lower Batch)  Batch: 75  Epochs: 45 | Accuracy ~ 0.530  Mean Squared Error ~ 0.1805 |
| Houston (Humidity) | Model 1  Batch: 100  Epochs: 25 | Accuracy ~ 0.520  Mean Squared Error ~ 0.2534 |
|  | Model 2 (Higher Epochs, Lower Batch)  Batch: 75  Epochs: 45 | Accuracy ~ 0.520  Mean Squared Error ~ 0.2633 |