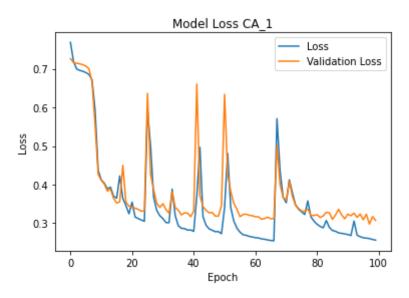
Training Model for CA_1...

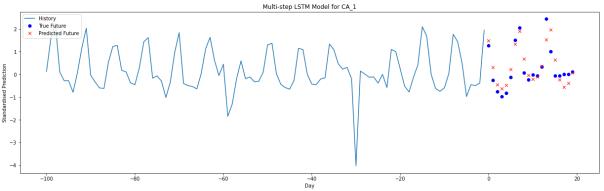
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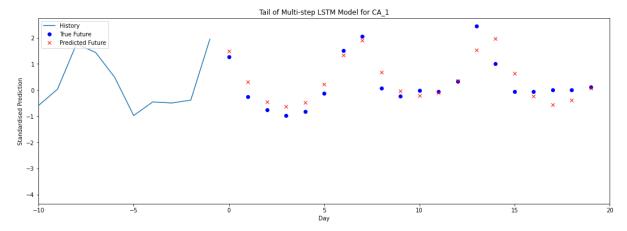
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| 50/50 [========================] - 5s 99ms/step - loss: 0.3196 - val_loss: 0.3409 |
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CA_1 - True Future: [5247. 3741. 3246. 3031. 3173. 3871. 5498. 6032. 4075. 3765. 3983. 3928. 4327. 6412. 4986. 3933. 3936. 3995. 4007. 4111.]

CA_1 - Model Prediction: [5475.303 4308.7344 3546.0059 3371.8176 3529.2803 4209.6064 5309.169

5879.9897 4680.369 3965.0059 3773.4006 3900.7588 4352.8184 5511.6455

5939.14 4616.737 3752.947 3430.702 3617.0713 4072.2312]

CA_1 - Model Percentage Error: [4.35111917 15.17600575 9.24232469 11.24439548 11.22849901 8.74726028

3.43454083 2.52006389 14.85568443 5.31224062 5.26234911 0.69351352

0.59668036 14.04171073 19.11632845 17.38461267 4.65073624 14.12510878

9.73118819 0.94305032]%

CA_1 - Model Mean Percentage Error: 8.632870626428067%

Training Model for CA_2...

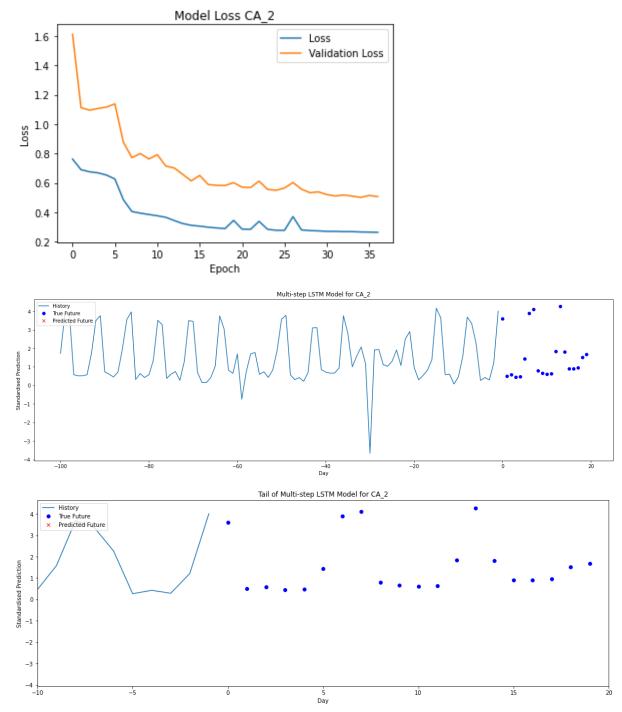
```
Epoch 1/100
50/50 [==============] - 5s 106ms/step - loss: 0.7618 - val_loss: 1.6111
Epoch 2/100
50/50 [=======
                  ========] - 5s 100ms/step - loss: 0.6898 - val_loss: 1.1121
Epoch 3/100
50/50 [======
             Epoch 4/100
50/50 [==============] - 5s 102ms/step - loss: 0.6683 - val_loss: 1.1063
Epoch 5/100
50/50 [============== - - 5s 99ms/step - loss: 0.6532 - val_loss: 1.1158
Epoch 6/100
               =========] - 5s 102ms/step - loss: 0.6262 - val_loss: 1.1375
50/50 [=========
Epoch 7/100
Epoch 8/100
Epoch 9/100
50/50 [=============] - 5s 104ms/step - loss: 0.3939 - val_loss: 0.7996
Epoch 10/100
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| Epoch 41/100 |
| 50/50 [=================] - 5s 102ms/step - loss: nan - val_loss: nan |
| Epoch 42/100 |
| 50/50 [=================] - 5s 101ms/step - loss: nan - val_loss: nan |
| Epoch 43/100 |
| 50/50 [=================] - 5s 102ms/step - loss: nan - val_loss: nan |
| Epoch 44/100 |
| 50/50 [=================] - 5s 102ms/step - loss: nan - val_loss: nan |
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| 50/50 [==============] - 5s 101ms/step - loss: nan - val_loss: nan |
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| Epoch 83/100 |
| 50/50 [=============] - 5s 101ms/step - loss: nan - val_loss: nan |
| Epoch 84/100 |
| 50/50 [==============] - 5s 100ms/step - loss: nan - val_loss: nan |
| Epoch 85/100 |
| 50/50 [=============] - 5s 101ms/step - loss: nan - val_loss: nan |
| Epoch 86/100 |
| 50/50 [==============] - 5s 100ms/step - loss: nan - val_loss: nan |
| Epoch 87/100 |
| 50/50 [=============] - 5s 101ms/step - loss: nan - val_loss: nan |
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CA_2 - True Future: [5647. 3240. 3294. 3189. 3211. 3964. 5873. 6037. 3454. 3360. 3314. 3333. 4276. 6150. 4251. 3537. 3549. 3586. 4026. 4140.]

Training Model for CA_3...

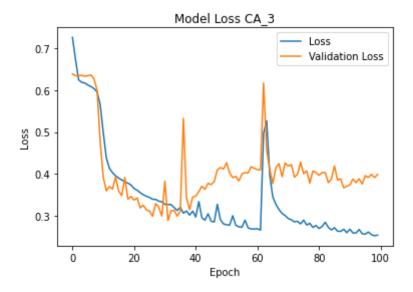
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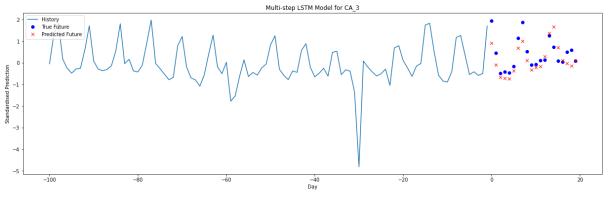
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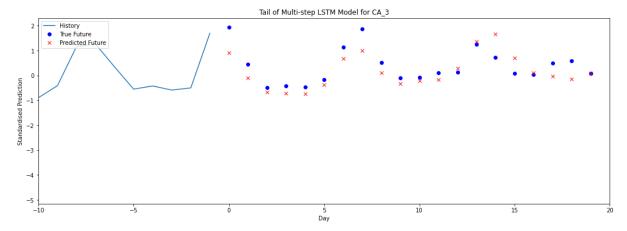
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| Epoch 72/100 |
| 50/50 [========================] - 5s 96ms/step - loss: 0.2911 - val_loss: 0.4226 |
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| Epoch 77/100 |
| 50/50 [========================] - 5s 96ms/step - loss: 0.2784 - val_loss: 0.4076 |
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| Epoch 90/100 |
| 50/50 [=============================] - 5s 98ms/step - loss: 0.2601 - val_loss: 0.3708 |
| Epoch 91/100 |
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| Epoch 94/100 |
| 50/50 [=========================] - 5s 98ms/step - loss: 0.2677 - val_loss: 0.3888 |
| Epoch 95/100 |
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50/50 [=============] - 5s 98ms/step - loss: 0.2576 - val_loss: 0.3762 Epoch 96/100
50/50 [===========] - 5s 99ms/step - loss: 0.2566 - val_loss: 0.3962 Epoch 97/100
50/50 [============] - 5s 98ms/step - loss: 0.2617 - val_loss: 0.3917 Epoch 98/100
50/50 [===============] - 5s 99ms/step - loss: 0.2555 - val_loss: 0.3992 Epoch 99/100
50/50 [================] - 5s 99ms/step - loss: 0.2528 - val_loss: 0.3915 Epoch 100/100
50/50 [========================] - 5s 99ms/step - loss: 0.2543 - val_loss: 0.3989







CA_3 - True Future: [8164. 6371. 5244. 5309. 5261. 5637. 7217. 8094. 6446. 5722. 5740. 5951. 5986. 7347. 6696. 5930. 5882. 6421. 6547. 5928.]

CA_3 - Model Prediction: [6921.798 5722.7637 5021.3 4974.632 4929.9023 5371.7974 6662.506

7029.334 5945.6665 5439.525 5567.2495 5620.645 6187.579 7474.0884 7835.3506 6667.91 5959.6567 5802.539 5640.066 5944.4243]

CA_3 - Model Percentage Error: [15.21560691 10.17479718 4.24676192 6.29813833 6.29343578 4.7046769

7.6831667 13.15376842 7.76192206 4.93664973 3.00959039 5.55125156 3.36750921 1.72979963 17.01539107 12.44367886 1.32024377 9.63184765 13.8526666 0.27706337]%

CA_3 - Model Mean Percentage Error: 7.433398301446305%

Training Model for CA_4...

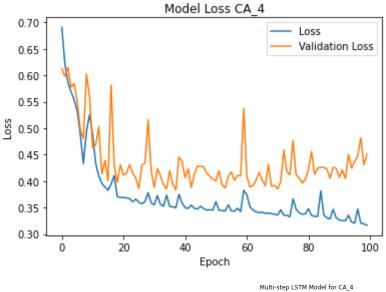
```
Epoch 1/100
Epoch 2/100
50/50 [======
                  ========] - 5s 99ms/step - loss: 0.6215 - val_loss: 0.5977
Epoch 3/100
50/50 [======
               ========] - 5s 97ms/step - loss: 0.5861 - val_loss: 0.6150
Epoch 4/100
50/50 [============= - - 5s 98ms/step - loss: 0.5690 - val_loss: 0.5776
Epoch 5/100
50/50 [========
               ==========] - 5s 97ms/step - loss: 0.5537 - val_loss: 0.5844
Epoch 6/100
                ========] - 5s 97ms/step - loss: 0.5321 - val_loss: 0.5508
50/50 [========
Epoch 7/100
Epoch 8/100
50/50 [============== - 5s 96ms/step - loss: 0.4330 - val_loss: 0.4805
Epoch 9/100
Epoch 10/100
```

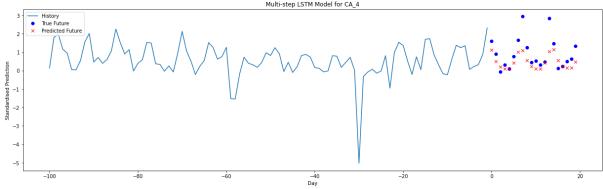
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| Epoch 11/100 |
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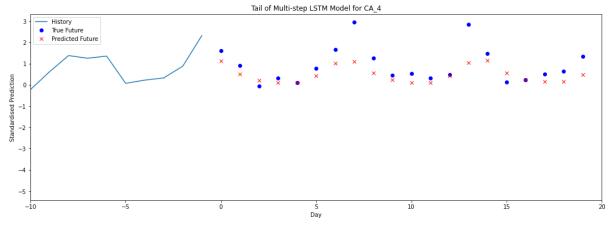
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CA_4 - True Future: [2787. 2487. 2088. 2239. 2153. 2432. 2806. 3343. 2643. 2299. 2335. 2244. 2316. 3301. 2727. 2166. 2207. 2323. 2383. 2677.]

CA_4 - Model Prediction: [2582.9338 2326.698 2203.4429 2147.6863 2154.0452 2292.6848 2537.1753

2570.003 2345.6743 2204.6338 2155.8452 2149.6797 2288.1318 2543.567 2590.2715 2346.6697 2213.8447 2180.463 2173.726 2312.6042]

CA_4 - Model Percentage Error: [7.32207256 6.44559718 5.52887314 4.07832607 0.04854464 5.72842046

9.58035307 23.12285583 11.24955292 4.10466337 7.67258181 4.20322248 1.2032886 22.94556515 5.01388029 8.34116702 0.31013713 6.13590656 8.7819524 13.61209383]%

CA_4 - Model Mean Percentage Error: 7.771452725514392%

Training Model for TX_1...

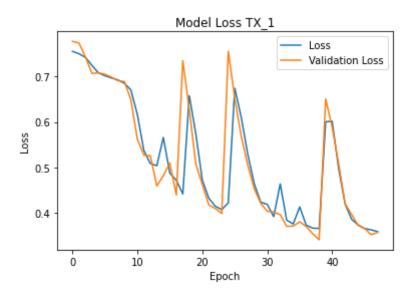
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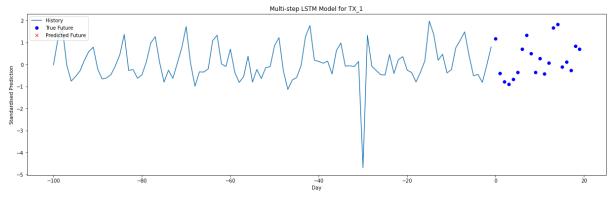
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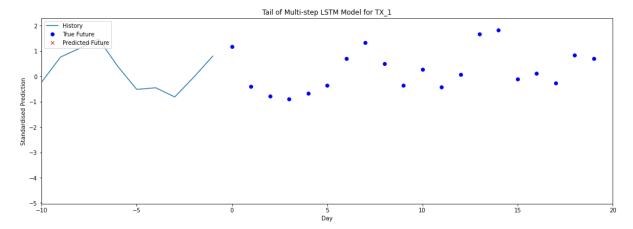
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| 50/50 [====== | :=====================] - 5s 96ms/step - loss: nan - val_loss: nan |







TX_1 - True Future: [3639. 2666. 2426. 2357. 2497. 2693. 3347. 3727. 3213. 2681. 3081. 2645. 2949. 3939. 4034. 2845. 2978. 2745. 3431. 3343.]

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Training Model for TX_2...

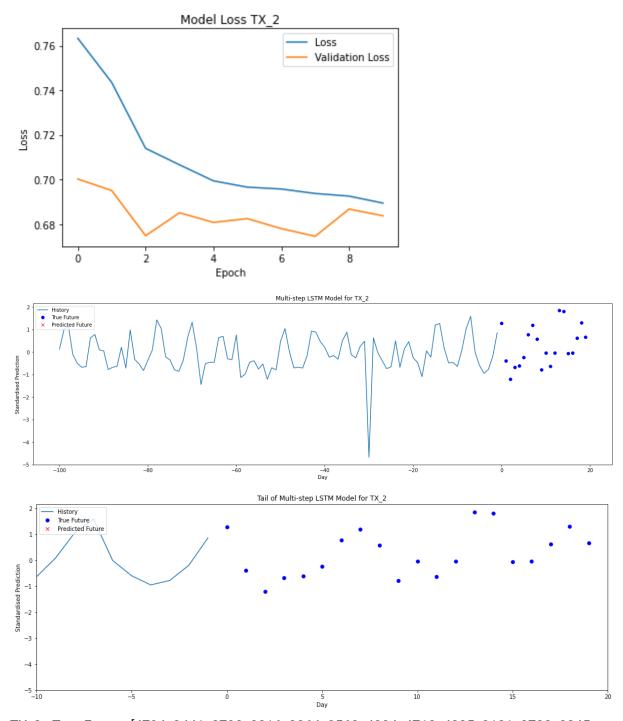
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Epoch 1/100
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               =========] - 5s 96ms/step - loss: 0.7435 - val_loss: 0.6950
Epoch 3/100
50/50 [======
                  ========] - 5s 96ms/step - loss: 0.7139 - val_loss: 0.6748
Epoch 4/100
50/50 [======
              ==========] - 5s 97ms/step - loss: 0.7065 - val_loss: 0.6851
Epoch 5/100
50/50 [=======
                  ========] - 5s 95ms/step - loss: 0.6994 - val_loss: 0.6807
Epoch 6/100
50/50 [=======
             ============= ] - 5s 95ms/step - loss: 0.6965 - val_loss: 0.6824
Epoch 7/100
                ========] - 5s 95ms/step - loss: 0.6957 - val_loss: 0.6780
50/50 [======
Epoch 8/100
50/50 [======
              ========] - 5s 96ms/step - loss: 0.6937 - val_loss: 0.6745
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| Epoch 76/100 |
| 50/50 [===========] - 5s 100ms/step - loss: nan - val_loss: nan |
| Epoch 77/100 |
| 50/50 [============] - 5s 98ms/step - loss: nan - val_loss: nan |
| Epoch 78/100 |
| 50/50 [============] - 5s 98ms/step - loss: nan - val_loss: nan |
| Epoch 79/100 |
| 50/50 [===========] - 5s 99ms/step - loss: nan - val_loss: nan |
| Epoch 80/100 |
| 50/50 [===========] - 5s 99ms/step - loss: nan - val_loss: nan |
| Epoch 81/100 |
| 50/50 [===========] - 5s 99ms/step - loss: nan - val_loss: nan |
| Epoch 82/100 |
| 50/50 [===========] - 5s 98ms/step - loss: nan - val_loss: nan |
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TX_2 - True Future: [4794. 3441. 2798. 3216. 3264. 3562. 4384. 4712. 4225. 3121. 3722. 3245. 3737. 5240. 5210. 3714. 3737. 4259. 4799. 4295.]

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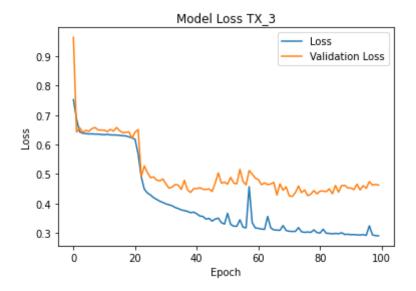
Training Model for TX_3...

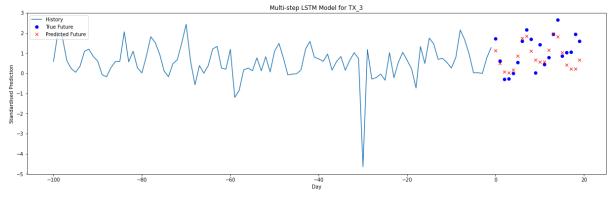
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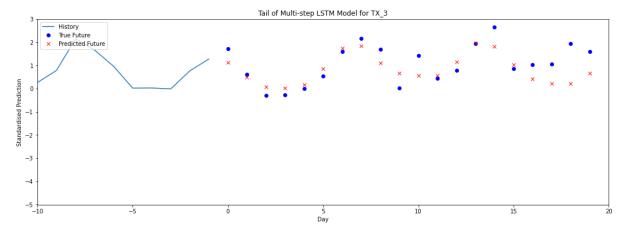
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| Epoch 95/100 |
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TX_3 - True Future: [4286. 3538. 2934. 2939. 3135. 3486. 4202. 4575. 4262. 3141. 4091. 3421. 3664. 4432. 4905. 3707. 3825. 3831. 4438. 4198.]

TX_3 - Model Prediction: [3892.2585 3458.467 3175.926 3137.1846 3238.0356 3702.0564 4308.8726

4373.294 3867.2478 3569.8894 3515.2163 3505.808 3909.5737 4454.9717 4352.3447 3823.4692 3416.4443 3276.5154 3271.179 3578.334

TX_3 - Model Percentage Error: [9.18668817 2.24796379 8.24560414 6.74326541 3.28662343 6.19783122

2.5433736 4.40887551 9.26213508 13.65454964 14.07439969 2.4790443 6.70233981 0.51831407 11.26718193 3.14187317 10.68119383 14.47362618 26.29159633 14.76098179]%

TX_3 - Model Mean Percentage Error: 8.50837305480701%

Training Model for WI_1...

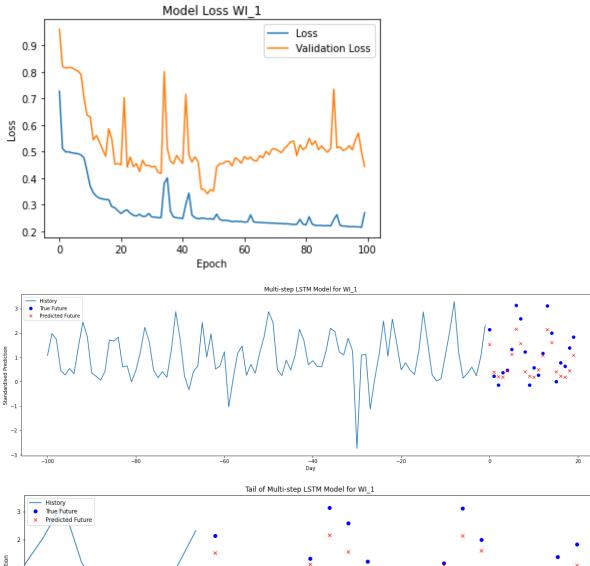
```
Epoch 1/100
Epoch 2/100
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          ========] - 5s 98ms/step - loss: 0.5123 - val_loss: 0.8199
Epoch 3/100
50/50 [======
       Epoch 4/100
Epoch 5/100
Epoch 6/100
         =========] - 5s 97ms/step - loss: 0.4935 - val_loss: 0.8089
50/50 [=========
Epoch 7/100
Epoch 8/100
50/50 [============== - - 5s 98ms/step - loss: 0.4876 - val_loss: 0.7906
Epoch 9/100
Epoch 10/100
```

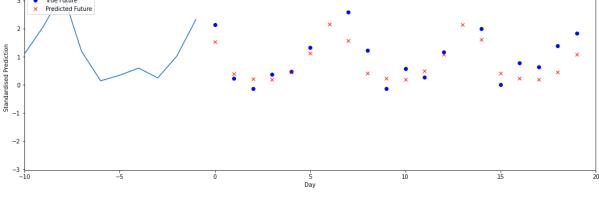
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| Epoch 33/100 |
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| Epoch 34/100 |
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| | - 5s 100ms/step - loss: 0.2523 - val_loss: 0.4180 |
|------------------------------------|----------------------------------------------------|
| Epoch 35/100 | |
| | - 5s 98ms/step - loss: 0.3812 - val_loss: 0.8009 |
| Epoch 36/100 | |
| | - 5s 99ms/step - loss: 0.4010 - val_loss: 0.5124 |
| Epoch 37/100 | |
| 50/50 [===========] | - 5s 98ms/step - loss: 0.2759 - val_loss: 0.4642 |
| Epoch 38/100 | |
| 50/50 [===========] | - 5s 98ms/step - loss: 0.2543 - val_loss: 0.4537 |
| Epoch 39/100 | |
| 50/50 [==========] | - 5s 98ms/step - loss: 0.2513 - val_loss: 0.4854 |
| Epoch 40/100 | |
| 50/50 [==========] | - 5s 99ms/step - loss: 0.2501 - val_loss: 0.4693 |
| Epoch 41/100 | |
| 50/50 [==========] | - 5s 100ms/step - loss: 0.2485 - val_loss: 0.4557 |
| Epoch 42/100 | |
| 50/50 [===========] | - 5s 99ms/step - loss: 0.3015 - val_loss: 0.7159 |
| Epoch 43/100 | |
| 50/50 [============] | - 5s 98ms/step - loss: 0.3438 - val_loss: 0.4872 |
| Epoch 44/100 | • |
| 50/50 [=========] | - 5s 100ms/step - loss: 0.2606 - val_loss: 0.4609 |
| Epoch 45/100 | · |
| • | - 5s 99ms/step - loss: 0.2515 - val_loss: 0.4805 |
| Epoch 46/100 | |
| • | - 5s 99ms/step - loss: 0.2474 - val_loss: 0.4613 |
| Epoch 47/100 | |
| • | - 5s 98ms/step - loss: 0.2498 - val_loss: 0.3600 |
| Epoch 48/100 | |
| • | - 5s 98ms/step - loss: 0.2492 - val_loss: 0.3563 |
| Epoch 49/100 | |
| • | - 5s 106ms/step - loss: 0.2466 - val_loss: 0.3419 |
| Epoch 50/100 | |
| • | - 7s 148ms/step - loss: 0.2478 - val_loss: 0.3571 |
| Epoch 51/100 | 76 1 101110, 010p 1000. 0.2 170 Val_1000. 0.0071 |
| • | - 5s 99ms/step - loss: 0.2453 - val_loss: 0.3518 |
| Epoch 52/100 | 00 331110/010 p 1000: 0.2 100 val_1000: 0.0010 |
| • | - 5s 98ms/step - loss: 0.2650 - val_loss: 0.4421 |
| Epoch 53/100 | 00 Johns, Step 1000. 0.2000 Val_1000. 0.4421 |
| · | - 5s 97ms/step - loss: 0.2454 - val_loss: 0.4546 |
| Epoch 54/100 | 00 37 may step 1000. 0.2404 vai_1000. 0.4040 |
| • | - 5s 98ms/step - loss: 0.2407 - val_loss: 0.4546 |
| Epoch 55/100 | 33 301113/3tep 1033. 0.2407 Val_1033. 0.4040 |
| • | - 5s 97ms/step - loss: 0.2415 - val_loss: 0.4631 |
| Epoch 56/100 | 33 9/1113/316p - 1033. 0.2413 - Val_1033. 0.4031 |
| • | - 5s 96ms/step - loss: 0.2401 - val_loss: 0.4632 |
| Epoch 57/100 | - 35 301113/31Ep - 1055. 0.2401 - Val_1055. 0.4032 |
| · | - 5s 96ms/step - loss: 0.2365 - val_loss: 0.4462 |
| 50/50 [=========== Epoch 58/100 | - 35 701115/516p - 1055. 0.2303 - Val_1088. 0.4402 |
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WI_1 - True Future: [4600. 2798. 2466. 2937. 3036. 3845. 5538. 5034. 3740. 2460. 3135. 2831. 3676. 5516. 4461. 2597. 3313. 3180. 3899. 4308.]

WI_1 - Model Prediction: [4031.7334 2957.0613 2781.8198 2764.2727 3021.3218 3651.9094 4624.576

4073.5278 2982.5552 2794.3206 2761.8481 3046.4333 3610.423 4596.8887 4100.04 2967.7314 2792.2607 2772.4307 3017.6611 3601.4854]

WI_1 - Model Percentage Error: [12.35362177 5.68482056 12.80696773 5.88107916 0.48347242 5.02186154

16.49374915 19.07970139 20.25253541 13.59026653 11.90277051 7.60979688 1.78392014 16.66264192 8.09145844 14.27537333 15.71805789 12.81664578 22.60422845 16.40006148]%

WI_1 - Model Mean Percentage Error: 11.975651523392845%

Training Model for WI_2...

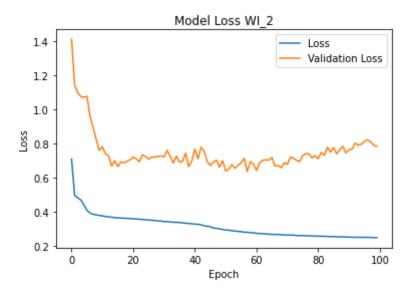
| Epoch 1/100 |
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| Epoch 21/100 |
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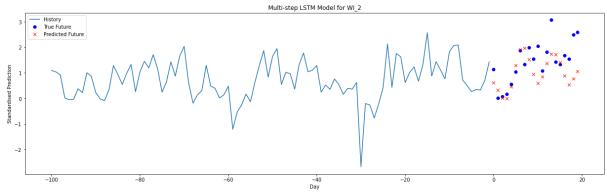
| Epoch 22/100 | |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50/50 [========] - 5s | s 98ms/sten - loss: 0 3587 - val loss: 0 7092 |
| Epoch 23/100 | 3 701113/3(cp 1000: 0.0007 vai_1000: 0.7072 |
| 50/50 [=======] - 5s | s 98ms/sten - loss: 0 3568 - val loss: 0 6940 |
| Epoch 24/100 | 3 701113/3tcp 1033. 0.0000 Val_1033. 0.0740 |
| 50/50 [=======] - 5s | s 97ms/sten - loss: 0 3555 - val loss: 0 7354 |
| Epoch 25/100 | 3 771113/3tep 1033. 0.0000 Val_1033. 0.7004 |
| 50/50 [========] - 5s | s 99ms/sten - loss: 0.35/15 - val. loss: 0.72/2 |
| Epoch 26/100 | 3 771113/3tcp 1033. 0.0040 Val_1033. 0.7242 |
| 50/50 [=======] - 5s | s 98ms/sten - loss: 0 3523 - val loss: 0 7082 |
| Epoch 27/100 | 3 701113/3(cp 1000: 0.0020 vai_1000: 0.7002 |
| 50/50 [========] - 5s | s 98ms/sten - loss: 0 3514 - val loss: 0 7212 |
| Epoch 28/100 | 3 701113/3(cp 1000: 0.0014 Vul_1000: 0.7212 |
| 50/50 [=======] - 5s | s 97ms/sten - loss: 0 3492 - val loss: 0 7211 |
| Epoch 29/100 | 377113/3(cp 1000: 0.0472 vai_1000: 0.7211 |
| 50/50 [=======] - 5s | s 99ms/sten - loss: 0 3472 - val loss: 0 7259 |
| Epoch 30/100 | 3 77/110/ Step 1036: 0.0472 Val_1036: 0.7207 |
| 50/50 [=======] - 5s | s 98ms/sten - loss: 0 3461 - val loss: 0 7274 |
| Epoch 31/100 | 3 701113/3(cp 1000: 0.0401 Vul_1000: 0.7274 |
| 50/50 [========] - 5s | s 98ms/sten - loss: 0 3433 - val loss: 0 7231 |
| Epoch 32/100 | 2 7 3 111 6 7 3 1 5 5 7 4 1 5 5 6 7 4 1 5 6 5 6 7 4 1 5 6 6 6 7 4 1 5 6 6 6 7 4 1 5 6 6 6 6 7 4 1 5 6 6 6 6 7 4 1 5 6 6 6 6 6 7 4 1 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 |
| 50/50 [========] - 5s | s 97ms/step - loss: 0.3435 - val. loss: 0.7599 |
| Epoch 33/100 | |
| 50/50 [=======] - 5s | s 98ms/step - loss: 0.3410 - val. loss: 0.7270 |
| Epoch 34/100 | |
| 50/50 [==================================== | s 98ms/step - loss: 0.3390 - val loss: 0.6864 |
| Epoch 35/100 | |
| 50/50 [=======] - 5s | s 98ms/step - loss: 0.3394 - val loss: 0.7272 |
| Epoch 36/100 | |
| 50/50 [=======] - 5s | s 99ms/step - loss: 0.3375 - val loss: 0.6920 |
| Epoch 37/100 | |
| 50/50 [=======] - 5s | s 98ms/step - loss: 0.3363 - val_loss: 0.6959 |
| Epoch 38/100 | - |
| 50/50 [=======] - 5s | s 97ms/step - loss: 0.3340 - val_loss: 0.7450 |
| Epoch 39/100 | - |
| 50/50 [=======] - 5s | s 97ms/step - loss: 0.3320 - val_loss: 0.6659 |
| Epoch 40/100 | · |
| 50/50 [======] - 5s | s 97ms/step - loss: 0.3307 - val_loss: 0.6977 |
| Epoch 41/100 | · |
| 50/50 [========] - 5s | s 97ms/step - loss: 0.3280 - val_loss: 0.7682 |
| Epoch 42/100 | · |
| 50/50 [=========] - 5s | s 96ms/step - loss: 0.3277 - val_loss: 0.7105 |
| Epoch 43/100 | · |
| 50/50 [=========] - 5s | s 96ms/step - loss: 0.3238 - val_loss: 0.7789 |
| Epoch 44/100 | |
| 50/50 [=======] - 5s | s 96ms/step - loss: 0.3194 - val_loss: 0.7572 |
| Epoch 45/100 | |
| 50/50 [======] - 5s | s 97ms/step - loss: 0.3157 - val_loss: 0.6950 |
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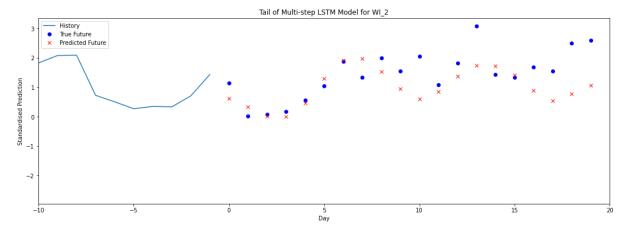
| Epoch 46/100 |
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Epoch 94/100 Epoch 95/100 Epoch 96/100 Epoch 97/100 Epoch 98/100 Epoch 99/100 50/50 [====== =======] - 5s 99ms/step - loss: 0.2495 - val_loss: 0.7913 Epoch 100/100 50/50 [======= =======] - 5s 98ms/step - loss: 0.2485 - val_loss: 0.7841







WI_2 - True Future: [4670. 3301. 3386. 3500. 3961. 4569. 5586. 4915. 5718. 5169. 5786. 4607. 5506. 7046. 5046. 4907. 5358. 5180. 6333. 6463.]

WI_2 - Model Prediction: [4046.912 3680.4578 3291.7305 3279.1099 3838.5225 4877.37 5622.6865

5696.754 5154.909 4445.951 4023.7578 4334.882 4958.5195 5427.341 5385.4316 5012.6465 4368.566 3953.1465 4235.0205 4596.745]

WI_2 - Model Percentage Error: [13.34235312 11.49523671 2.7840972 6.31114676 3.09208632 6.74918182

0.65675839 15.90547113 9.84768836 13.98817621 30.45700289 5.90662392 9.94334306 22.97273885 6.72674674 2.15297502 18.46648156 23.6844308 33.12773555 28.87598457]%

WI_2 - Model Mean Percentage Error: 13.324312949255662%

Training Model for WI_3...

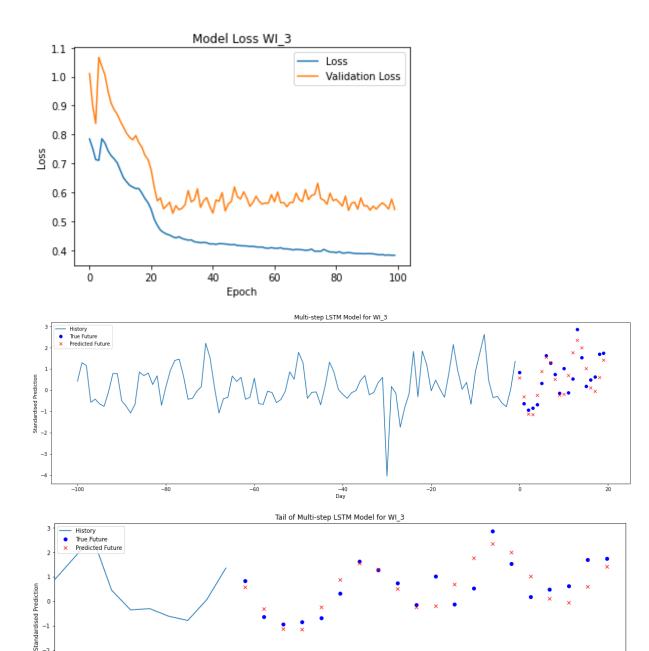
```
Epoch 1/100
Epoch 2/100
50/50 [======
                  =======] - 5s 99ms/step - loss: 0.7526 - val_loss: 0.9017
Epoch 3/100
50/50 [======
               ========] - 5s 98ms/step - loss: 0.7131 - val_loss: 0.8380
Epoch 4/100
Epoch 5/100
50/50 [============== - - 5s 99ms/step - loss: 0.7852 - val_loss: 1.0349
Epoch 6/100
               =========] - 5s 98ms/step - loss: 0.7701 - val_loss: 1.0061
50/50 [=========
Epoch 7/100
Epoch 8/100
50/50 [============= - 5s 99ms/step - loss: 0.7265 - val_loss: 0.9080
Epoch 9/100
50/50 [============= - - 5s 98ms/step - loss: 0.7155 - val_loss: 0.8859
Epoch 10/100
```

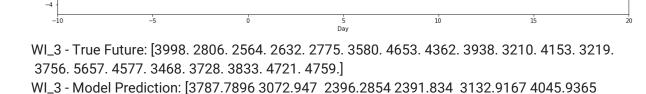
| 50/50 [==================================== |
|---------------------------------------------|
| Epoch 11/100 |
| 50/50 [==================================== |
| Epoch 12/100 |
| 50/50 [==================================== |
| Epoch 13/100 |
| 50/50 [==================================== |
| Epoch 14/100 |
| 50/50 [==================================== |
| Epoch 15/100 |
| 50/50 [==================================== |
| Epoch 16/100 |
| 50/50 [==================================== |
| Epoch 17/100 |
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| Epoch 18/100 |
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| Epoch 31/100 |
| 50/50 [==================================== |
| Epoch 32/100 |
| 50/50 [==================================== |
| Epoch 33/100 |
| 50/50 [==================================== |
| Epoch 34/100 |
| |

| 50/50 [============= | =====] - 5s 98ms/step - loss: 0.4353 - val_loss: 0.5666 |
|------------------------|----------------------------------------------------------|
| Epoch 35/100 | |
| 50/50 [============== | =====] - 5s 98ms/step - loss: 0.4290 - val_loss: 0.5743 |
| Epoch 36/100 | |
| 50/50 [============= | =====] - 5s 97ms/step - loss: 0.4276 - val_loss: 0.6120 |
| Epoch 37/100 | |
| 50/50 [=============== | =====] - 5s 99ms/step - loss: 0.4255 - val_loss: 0.5478 |
| Epoch 38/100 | |
| 50/50 [============= | =====] - 5s 99ms/step - loss: 0.4265 - val_loss: 0.5704 |
| Epoch 39/100 | |
| 50/50 [============== | =====] - 5s 99ms/step - loss: 0.4256 - val_loss: 0.5816 |
| Epoch 40/100 | |
| 50/50 [=========== | =====] - 5s 99ms/step - loss: 0.4213 - val_loss: 0.5515 |
| Epoch 41/100 | • |
| 50/50 [=========== | =====] - 5s 99ms/step - loss: 0.4217 - val_loss: 0.5281 |
| Epoch 42/100 | • |
| 50/50 [=========== | =====] - 5s 98ms/step - loss: 0.4201 - val_loss: 0.5735 |
| Epoch 43/100 | · |
| 50/50 [=========== | =====] - 5s 98ms/step - loss: 0.4225 - val_loss: 0.5684 |
| Epoch 44/100 | · |
| 50/50 [=========== | =====] - 5s 98ms/step - loss: 0.4222 - val_loss: 0.5989 |
| Epoch 45/100 | · |
| 50/50 [=========== | =====] - 5s 99ms/step - loss: 0.4213 - val_loss: 0.5356 |
| Epoch 46/100 | • |
| 50/50 [=========== | =====] - 5s 99ms/step - loss: 0.4198 - val_loss: 0.5597 |
| Epoch 47/100 | |
| 50/50 [============= | =====] - 5s 100ms/step - loss: 0.4186 - val_loss: 0.5686 |
| Epoch 48/100 | |
| 50/50 [============ | =====] - 5s 99ms/step - loss: 0.4191 - val_loss: 0.6185 |
| Epoch 49/100 | |
| 50/50 [============ | =====] - 5s 99ms/step - loss: 0.4162 - val_loss: 0.5843 |
| Epoch 50/100 | |
| 50/50 [============ | =====] - 5s 98ms/step - loss: 0.4153 - val_loss: 0.5766 |
| Epoch 51/100 | |
| 50/50 [============ | =====] - 5s 98ms/step - loss: 0.4148 - val_loss: 0.6019 |
| Epoch 52/100 | |
| 50/50 [============ | =====] - 5s 102ms/step - loss: 0.4143 - val_loss: 0.5803 |
| Epoch 53/100 | |
| 50/50 [============ | =====] - 5s 100ms/step - loss: 0.4126 - val_loss: 0.5516 |
| Epoch 54/100 | |
| 50/50 [============= | =====] - 5s 98ms/step - loss: 0.4132 - val_loss: 0.5645 |
| Epoch 55/100 | |
| 50/50 [=========== | =====] - 5s 99ms/step - loss: 0.4111 - val_loss: 0.5862 |
| Epoch 56/100 | • |
| • | =====] - 5s 98ms/step - loss: 0.4106 - val_loss: 0.5695 |
| Epoch 57/100 | · |
| • | =====] - 5s 99ms/step - loss: 0.4107 - val_loss: 0.5590 |
| Epoch 58/100 | • |
| | |

| 50/50 [========= | ========] - 5s 98ms/step - loss: 0.4072 - val_loss: 0.5630 |
|------------------|--------------------------------------------------------------|
| Epoch 59/100 | |
| 50/50 [========= | =========] - 5s 97ms/step - loss: 0.4065 - val_loss: 0.5621 |
| Epoch 60/100 | |
| 50/50 [========= | |
| Epoch 61/100 | |
| 50/50 [========= | =========] - 5s 98ms/step - loss: 0.4064 - val_loss: 0.5672 |
| Epoch 62/100 | |
| 50/50 [======== | |
| Epoch 63/100 | |
| 50/50 [======== | |
| Epoch 64/100 | |
| 50/50 [======== | |
| Epoch 65/100 | |
| 50/50 [======== | |
| Epoch 66/100 | |
| 50/50 [======== | |
| poch 67/100 | |
| 50/50 [======== | |
| Epoch 68/100 | |
| 60/50 [======== | |
| poch 69/100 | |
| 50/50 [======== | |
| poch 70/100 | |
| | =========] - 5s 99ms/step - loss: 0.4010 - val_loss: 0.5674 |
| poch 71/100 | |
| | |
| poch 72/100 | |
| | |
| Epoch 73/100 | • |
| | =========] - 5s 100ms/step - loss: 0.4036 - val_loss: 0.5889 |
| poch 74/100 | • |
| _ | =========] - 5s 100ms/step - loss: 0.3961 - val_loss: 0.5922 |
| poch 75/100 | |
| _ | ========] - 5s 100ms/step - loss: 0.3967 - val_loss: 0.6312 |
| poch 76/100 | 1 |
| _ | ========] - 5s 101ms/step - loss: 0.3959 - val_loss: 0.5777 |
| poch 77/100 | 1 |
| | ========] - 5s 101ms/step - loss: 0.4025 - val_loss: 0.5729 |
| poch 78/100 | 1 |
| _ | ========] - 5s 104ms/step - loss: 0.3974 - val_loss: 0.5586 |
| Epoch 79/100 | |
| _ | ========] - 5s 104ms/step - loss: 0.3936 - val_loss: 0.5969 |
| Epoch 80/100 | 1 5 404 () 1 2222 () 2 222 |
| _ | =========] - 5s 101ms/step - loss: 0.3936 - val_loss: 0.5712 |
| Epoch 81/100 | 1 5 404 () 1 |
| _ | ========] - 5s 101ms/step - loss: 0.3911 - val_loss: 0.5755 |
| Epoch 82/100 | |
| | |

| 50/50 [==================================== |
|-------------------------------------------------------------------------------------------------|
| Epoch 83/100 50/50 [==================================== |
| Epoch 84/100 |
| 50/50 [==================================== |
| Epoch 85/100 |
| 50/50 [==================================== |
| Epoch 86/100 |
| 50/50 [==================================== |
| Epoch 87/100 |
| 50/50 [==================================== |
| Epoch 88/100 |
| 50/50 [==================================== |
| Epoch 89/100 |
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| Epoch 91/100 |
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| Epoch 92/100 |
| 50/50 [==================================== |
| Epoch 93/100 |
| 50/50 [==================================== |
| Epoch 94/100 |
| 50/50 [==================================== |
| Epoch 95/100 |
| 50/50 [========================] - 5s 103ms/step - loss: 0.3836 - val_loss: 0.5539 Epoch 96/100 |
| 50/50 [==================================== |
| Epoch 97/100 |
| 50/50 [==================================== |
| Epoch 98/100 |
| 50/50 [==================================== |
| Epoch 99/100 |
| 50/50 [==================================== |
| Epoch 100/100 |
| 50/50 [==================================== |





4393.6 3738.8408 3136.0532 3161.64 3889.938 4769.2065 5254.2515 4968.0835 4163.8223 3410.2104 3275.5308 3816.0166 4491.654

-1

-3

4595.7163

WI_3 - Model Percentage Error: [5.25789018 9.51343626 6.54113103 9.12484862 12.89790083 13.01498669

1.23111308 0.72444057 5.05736871 2.30363792 23.87093926 20.84305649 26.97568006 7.11947207 8.54453782 20.06407917 8.52439782 14.54394047 19.16931579 5.61769681]%

| WI_3 - Model Mean Percentage Error: 11.0469934821993 | 87% |
|------------------------------------------------------|-----|
| ======================================= | |
| ======================================= | |