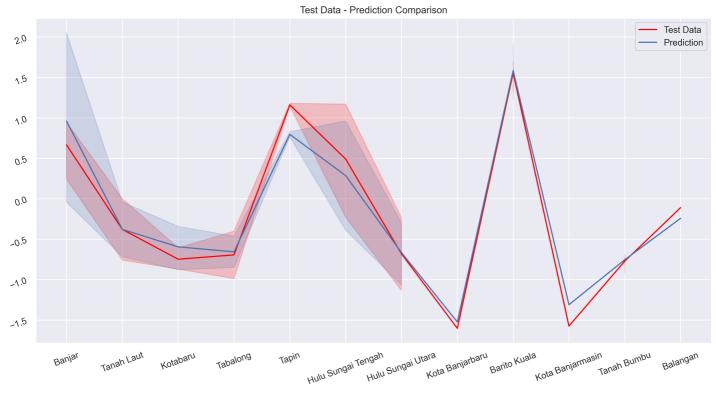
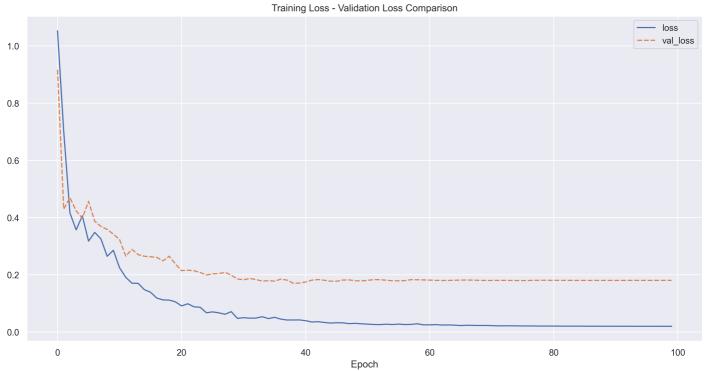


## **Model Data**

| MAE  | Path                                    | Node | Learning Rate | Epoch   | Test Size |
|------|---|------|---------------|---------|-----------|
| 0.18 | assets/2c9b813c86d44da08085cd96577696de | 20   | 0.00009766    | 100/100 | 0.3       |





## Training/Test Detail

| No | Kota       | Tahun | Test Data     | Preddiction   | MAE           |
|----|------------|-------|---------------|---------------|---------------|
| 1  | Banjar     | 2011  | 0.2416771767  | -0.0421503335 | 0.0997634216  |
| 2  | Tanah Laut | 2012  | -0.7584628194 | -0.7169972062 | -0.7377300128 |
| 3  | Kotabaru   | 2015  | -0.8698438254 | -0.8789908886 | -0.874417357  |
| 4  | Banjar     | 2014  | 0.946776419   | 2.0526521206  | 1.4997142698  |

| No | Kota               | Tahun | Test Data     | Preddiction   | MAE           |
|----|--------------------|-------|---------------|---------------|---------------|
| 5  | Tabalong           | 2017  | -0.4001211878 | -0.462639153  | -0.4313801704 |
| 6  | Tapin              | 2013  | 1.1446263448  | 0.763191998   | 0.9539091714  |
| 7  | Hulu Sungai Tengah | 2014  | 0.5331902047  | 0.285882175   | 0.4095361899  |
| 8  | Tapin              | 2014  | 1.1797351441  | 0.8295041323  | 1.0046196382  |
| 9  | Hulu Sungai Utara  | 2015  | -0.235576561  | -0.2981360257 | -0.2668562933 |
| 10 | Kota Banjarbaru    | 2017  | -1.6018370223 | -1.5233950615 | -1.5626160419 |
| 11 | Hulu Sungai Utara  | 2011  | -0.673163202  | -0.6333720088 | -0.6532676054 |
| 12 | Tanah Laut         | 2013  | 0.0008008872  | -0.0402527899 | -0.0197259513 |
| 13 | Hulu Sungai Utara  | 2013  | -1.1348890005 | -1.0669077635 | -1.100898382  |
| 14 | Barito Kuala       | 2016  | 1.6444337453  | 2.0288889408  | 1.836661343   |
| 15 | Tabalong           | 2011  | -0.9876956319 | -0.8497647643 | -0.9187301981 |
| 16 | Barito Kuala       | 2012  | 1.1922407339  | 1.0719598532  | 1.1321002935  |
| 17 | Kota Banjarmasin   | 2012  | -1.5743881445 | -1.3097274303 | -1.4420577874 |
| 18 | Kotabaru           | 2017  | -0.605571579  | -0.3414432108 | -0.4735073949 |
| 19 | Kotabaru           | 2016  | -0.7674109554 | -0.5625083447 | -0.66495965   |
| 20 | Barito Kuala       | 2014  | 1.6877474799  | 1.6904881001  | 1.68911779    |
| 21 | Tanah Bumbu        | 2012  | -0.9271594605 | -0.8044255376 | -0.8657924991 |
| 22 | Hulu Sungai Tengah | 2011  | -0.228917483  | -0.388407886  | -0.3086626845 |
| 23 | Balangan           | 2015  | -0.1096981874 | -0.2410295904 | -0.1753638889 |
| 24 | Tanah Bumbu        | 2014  | -0.6838652915 | -0.7226785421 | -0.7032719168 |
| 25 | Hulu Sungai Tengah | 2016  | 1.1714905714  | 0.9632748961  | 1.0673827338  |
| 26 | Barito Kuala       | 2015  | 1.7043852654  | 1.5505107641  | 1.6274480148  |
| 27 | Tanah Bumbu        | 2016  | -0.7009688161 | -0.7338548899 | -0.717411853  |
| 28 | Banjar             | 2017  | 0.8124651952  | 0.8734536767  | 0.8429594359  |

## Loss Detail

| Epoch     | Training Loss | Validation Loss |
|-----------|---------------|-----------------|
| Epochs 1  | 1.0526287556  | 0.9165125489    |
| Epochs 2  | 0.7013156414  | 0.4298929274    |
| Epochs 3  | 0.4161931574  | 0.4696273208    |
| Epochs 4  | 0.3571732044  | 0.4234568775    |
| Epochs 5  | 0.4062532187  | 0.3980340958    |
| Epochs 6  | 0.317707479   | 0.4569007456    |
| Epochs 7  | 0.3483043015  | 0.3870092928    |
| Epochs 8  | 0.3255891502  | 0.3692069054    |
| Epochs 9  | 0.2648857236  | 0.3585927784    |
| Epochs 10 | 0.2856859565  | 0.3422392309    |
| Epochs 11 | 0.2246679962  | 0.3233039081    |
| Epochs 12 | 0.1913029552  | 0.2654332817    |
| Epochs 13 | 0.1708241254  | 0.2888886333    |
| Epochs 14 | 0.1701324433  | 0.2705757022    |
| Epochs 15 | 0.14812392    | 0.2649166584    |
| Epochs 16 | 0.1390033066  | 0.2631778121    |
| Epochs 17 | 0.1187951192  | 0.2610166073    |
| Epochs 18 | 0.1123968288  | 0.248882845     |
|           |               |                 |

| Epoch     | Training Loss | Validation Loss |
|-----------|---------------|-----------------|
| Epochs 19 | 0.1116553769  | 0.2651158571    |
| Epochs 20 | 0.1056974381  | 0.2381052226    |
| Epochs 21 | 0.0913036019  | 0.2146258354    |
| Epochs 22 | 0.0988924354  | 0.2162307352    |
| Epochs 23 | 0.0882490575  | 0.214280054     |
| Epochs 24 | 0.086600028   | 0.2081228644    |
| Epochs 25 | 0.0674343109  | 0.1994597465    |
| Epochs 26 | 0.0704470128  | 0.2034452707    |
| Epochs 27 | 0.0672601387  | 0.2042130381    |
| Epochs 28 | 0.0622120798  | 0.2087638229    |
| Epochs 29 | 0.0712685809  | 0.1987871826    |
| Epochs 30 | 0.0477528274  | 0.1855732054    |
| Epochs 31 | 0.0502914712  | 0.1825707704    |
| Epochs 32 | 0.0484899618  | 0.1872406006    |
| Epochs 33 | 0.0488131531  | 0.1835838407    |
| Epochs 34 | 0.053624671   | 0.1780180037    |
| Epochs 35 | 0.0470159352  | 0.1796699911    |
| Epochs 36 | 0.0515932515  | 0.1779106706    |
| Epochs 37 | 0.0450862572  | 0.1848127842    |
| Epochs 38 | 0.0420804843  | 0.1815736741    |
| Epochs 39 | 0.0422193669  | 0.1705369651    |
| Epochs 40 | 0.0423774347  | 0.171242699     |
| Epochs 41 | 0.0397544317  | 0.1749574393    |
| Epochs 42 | 0.035216324   | 0.1813719273    |
| Epochs 43 | 0.036275398   | 0.1835143268    |
| Epochs 44 | 0.0336152725  | 0.1810679287    |
| Epochs 45 | 0.0314153284  | 0.1777193248    |
| Epochs 46 | 0.0326501839  | 0.1776144207    |
| Epochs 47 | 0.0321433209  | 0.1816364974    |
| Epochs 48 | 0.0294202361  | 0.1823308468    |
| Epochs 49 | 0.0304235909  | 0.1792538613    |
| Epochs 50 | 0.0288882405  | 0.1788923591    |
| Epochs 51 | 0.0275975112  | 0.1807201952    |
| Epochs 52 | 0.026424218   | 0.1832629591    |
| Epochs 53 | 0.0260403231  | 0.1830461323    |
| Epochs 54 | 0.0274907593  | 0.1811479479    |
| Epochs 55 | 0.0262379982  | 0.1792847812    |
| Epochs 56 | 0.0278230123  | 0.1791189462    |
| Epochs 57 | 0.0262168348  | 0.179814443     |
| Epochs 58 | 0.0267795492  | 0.183074832     |
| Epochs 59 | 0.0289126877  | 0.1827550977    |
| Epochs 60 | 0.0251882803  | 0.1822220236    |
| Epochs 61 | 0.0251887459  | 0.1814754903    |
| Epochs 62 | 0.02595401    | 0.1806972772    |
| Epochs 63 | 0.0245065745  | 0.1802224368    |
|           |               |                 |

| Epochs 64  Cpcols 65  Cpcols 65  Cpcols 66  Cpcols 66  Cpcols 67  Cpcols 68  Cpcols 69  Cpcols 69  Cpcols 69  Cpcols 69  Cpcols 79  Cpcols 72  Cpcols 73  Cpcols 73  Cpcols 73  Cpcols 73  Cpcols 73  Cpcols 73  Cpcols 74  Cpcols 74  Cpcols 75  Cpcols 75  Cpcols 75  Cpcols 75  Cpcols 75  Cpcols 76  Cpcols 77  Cpcols 76  Cpcols 77  Cpcols 77  Cpcols 77  Cpcols 78  Cpcols 79  Cpcols 77  Cpcols 77  Cpcols 77  Cpcols 77  Cpcols 77  Cpcols 77  Cpcols 78  Cpcols 79  Cpcols 79 | Epoch      | Training Loss | Validation Loss |
|--|------------|---------------|-----------------|
| Egechs 66  0.0226983237  0.18193300223  Egechs 67  0.0230119564  0.0233119564  0.1813300223  Egechs 68  0.0233119564  0.02326862377  0.1813300223  Egechs 77  0.0226225164  0.180362319  Egechs 77  0.0225225164  0.180362319  Egechs 77  0.0225225164  0.180362319  Egechs 77  0.0211948338  0.1805787823  Egechs 78  0.0211948338  0.1805787823  Egechs 78  0.0211948338  0.1805830862  Egechs 78  0.0211948338  Egechs 78  Egechs 79  0.02119493977  0.02119493977  Egechs 77  0.02119493977  Egechs 77  0.0211978364  Egechs 77  0.0211978364  Egechs 77  0.0211978364  Egechs 78  Egechs 78  0.0211978353  0.180337783  Egechs 78  Egechs 78  0.0201967837  0.180583688  Egechs 80  0.0209483156  Egechs 80  0.020948357  0.180583688  Egechs 80  0.020948357  Egechs 81  0.0209786544  0.1805785419  Egechs 82  0.0207186540  0.18058755419  Egechs 83  0.0209586343  0.1805875541  Egechs 85  0.000948337  0.1805875541  Egechs 86  0.0209586343  0.1805875541  Egechs 87  0.00094780577  0.1805876541  Egechs 88  0.0209586377  0.1805876541  Egechs 88  0.0209386377  0.1805876647  Egechs 89  0.020938577  0.1805876647  Egechs 89  0.020938577  0.1805876647  Egechs 89  0.020938577  0.1805876647  Egechs 99  0.0209186344  0.18057766544  Egechs 99  0.0209186344  0.1805876674  Egechs 99  0.0209186344  0.1805876764  Egechs 99  0.0209186377  0.180580978  Egechs 99  0.0200918677  0.180580977  0.180580978  Egechs 99                                      | Epochs 64  | 0.0248454101  | 0.1804458946    |
| Epoche 67  | Epochs 65  | 0.0241749249  | 0.1809295118    |
| Epoche 68 0.0233118654 0.1813365023  Epoche 69 0.0229842877 0.180738446  Epoche 70 0.0228848899 0.1808419147  Epoche 71 0.022825164 0.180856439  Epoche 72 0.021748589 0.180856752  Epoche 73 0.021748589 0.180856962  Epoche 74 0.021840978 0.180856962  Epoche 75 0.0218610298 0.180856962  Epoche 76 0.0218610298 0.180856962  Epoche 77 0.021878629 0.18085694  Epoche 78 0.021878781 0.180856968  Epoche 79 0.02086775 0.180856968  Epoche 79 0.02086775 0.180856968  Epoche 80 0.020878515 0.1808569645  Epoche 80 0.020878516 0.1808569645  Epoche 80 0.020878517 0.1808569645  Epoche 80 0.020878517 0.1808569645  Epoche 80 0.020878517 0.1808569615  Epoche 80 0.020878517 0.1808569615  Epoche 80 0.020878517 0.1808569615  Epoche 80 0.020878519 0.1808578656  Epoche 80 0.020878654 0.1808278656  Epoche 80 0.020846414 0.1808589651  Epoche 80 0.020846819 0.180827864  Epoche 80 0.020846819 0.1808569171  Epoche 80 0.020846819 0.18085691671  Epoche 80 0.020846819 0.18085691671  Epoche 80 0.020846819 0.18085691671  Epoche 80 0.020828577 0.18085691671  Epoche 80 0.020828587 0.18085691677  Epoche 80 0.0208285875 0.18085691677  Epoche 80 0.0208285875 0.18085691677  Epoche 80 0.0208285875 0.18085691677  Epoche 80 0.020828675 0.18085691677  | Epochs 66  | 0.0226383023  | 0.1816352606    |
| Epochs 69 0.0226642377 0.1804318448 Epochs 70 0.0228446999 0.1804319147 Epochs 71 0.0228226184 0.180382459 Epochs 72 0.0217143539 0.1805719772 Epochs 73 0.021840976 0.180530947 Epochs 74 0.0218340976 0.180530947 Epochs 75 0.021810258 0.021810258 0.0180503577 Epochs 76 0.02135094 0.178096416 Epochs 77 0.0213270523 0.1803337783 Epochs 78 0.021827531 0.1807104488 Epochs 78 0.026467375 0.1803536688 Epochs 78 0.020046615 0.020046615 Epochs 80 0.02007188546 0.02007188546 Epochs 81 0.02007188546 0.02007188546 Epochs 82 0.0207188546 0.02007188546 Epochs 83 0.020582537 0.180853831 Epochs 84 0.020586833 0.1808718886 Epochs 85 0.0205464414 0.180531855 Epochs 86 0.02054682775 0.1808538316 Epochs 86 0.0205482776 0.1808538316 Epochs 86 0.02054682775 0.1808538316 Epochs 87 0.0205420017 0.1808528316 Epochs 88 0.02054682775 0.1808528316 Epochs 88 0.02054682775 0.1808528316 Epochs 88 0.02054682775 0.1808528316 Epochs 89 0.02054280773 0.1808528816 Epochs 99 0.0205428073 0.180850812 Epochs 99 0.0205428073 0.180850812 Epochs 99 0.0205480875 0.1808508197 0.1808508197 0.1808508197 0.1808508197 0.1808508197 0.1808508197   | Epochs 67  | 0.0236843247  | 0.1817629188    |
| Epochs 70 0.022845699 0.1804519147 Epochs 71 0.022225194 0.1803619147 Epochs 72 0.0211143539 0.180362952 Epochs 73 0.0218048245 0.180362052 Epochs 74 0.0218349976 0.180362052 Epochs 75 0.0218048245 0.1803639447 Epochs 76 0.021352962 0.180333783 Epochs 77 0.0213270523 0.180333783 Epochs 78 0.021182731 0.180710488 Epochs 79 0.021182731 0.180710488 Epochs 79 0.020182752 0.180333783 Epochs 80 0.020046915 0.180890645 Epochs 80 0.020046915 0.180890645 Epochs 80 0.0200446915 0.18087564215 Epochs 80 0.020648323 0.18033583 Epochs 80 0.0206484275 Epochs 80 0.020648277 0.1805408511 Epochs 80 0.020648299 0.180547842 Epochs 90 0.020631833 0.1805084481 Epochs 91 0.020628849 0.180547842 Epochs 92 0.020632837 0.1805686182 Epochs 93 0.020638849 0.18056861827 Epochs 94 0.0201620297 Epochs 95 0.0201620297 Epochs 96 0.0201620297 Epochs 96 0.0201620297 Epochs 97 0.020620977 Epochs 98 0.0201620297 Epochs 98 0.0200620475 Epochs 99 0.02006475   | Epochs 68  | 0.0233113654  | 0.1813395023    |
| Epochs 71 0.0225225194 0.180396439 Epochs 73 0.0211048245 0.1805520552 Epochs 74 0.02119340076 0.1803509447 Epochs 75 0.0218340076 0.1803509447 Epochs 76 0.02183594 0.180500337 Epochs 77 0.02135964 0.179686416 Epochs 77 0.0211827631 0.180303988 Epochs 79 0.0211827631 0.180303988 Epochs 79 0.0211827631 0.180303988 Epochs 79 0.0211827631 0.180303988 Epochs 80 0.020867375 0.1803039888 Epochs 80 0.020867375 0.1803039888 Epochs 81 0.0208728337 0.180303888 Epochs 84 0.0208728337 0.1803748666 Epochs 83 0.020864414 0.18087654215 Epochs 83 0.020864414 0.1808765438 Epochs 85 0.020864414 0.180818955 Epochs 86 0.02086643 0.180877864 Epochs 87 0.02087307 0.180866843 Epochs 88 0.020868643 0.180877864 Epochs 89 0.020868643 0.180817864 Epochs 89 0.0208686441 0.180818955 Epochs 89 0.020848307 0.180817864 Epochs 89 0.020843007 0.180817864 Epochs 89 0.020843007 0.180823554 Epochs 89 0.020843007 0.1808308516 Epochs 89 0.020843007 0.1808308002 Epochs 89 0.0201244304 0.180830002 Epochs 89 0.0201244304 0.180830002 Epochs 89 0.020064075 0.18080002 Epochs 89 0.020064075 0.18080002   | Epochs 69  | 0.0229662377  | 0.1807338446    |
| Epochs 72 0.0217143539 0.1805796752  Epochs 73 0.0218046245 0.180505062  Epochs 74 0.0218040976 0.1803059447  Epochs 75 0.0218040976 0.1803059447  Epochs 76 0.02135994 0.179896416  Epochs 77 0.0213270523 0.1803337783  Epochs 77 0.0213270523 0.1803337783  Epochs 78 0.0214027531 0.1807104498  Epochs 79 0.0204667375 0.1809356658  Epochs 80 0.0209466715 0.1809356658  Epochs 81 0.0209728537 0.1807554215  Epochs 81 0.0209738546 0.1807554215  Epochs 82 0.020718546 0.1807554215  Epochs 82 0.020718546 0.1807554215  Epochs 83 0.0205935352 0.180662483  Epochs 84 0.0205666343 0.180612728  Epochs 85 0.0205444414 0.180618955  Epochs 86 0.020448275 0.1804376543  Epochs 86 0.020448275 0.1804376543  Epochs 87 0.0204203017 0.1804231554  Epochs 88 0.0203728776 0.180538316  Epochs 89 0.0203482073 0.180540841  Epochs 89 0.0203482073 0.180540841  Epochs 90 0.02044849 0.180540851  Epochs 91 0.020248849 0.180540851  Epochs 92 0.020218352 0.1806366692  Epochs 93 0.0202278832 0.1806366692  Epochs 94 0.020192967 0.180636692  Epochs 96 0.020488294 0.180636692  Epochs 96 0.0202188534 0.18065721074  Epochs 96 0.02021289524 0.1806509197  Epochs 96 0.020619077 0.180650994   | Epochs 70  | 0.0229845699  | 0.1804519147    |
| Epochs 73 0.0218048245 0.180552962  Epochs 74 0.021834976 0.180559647  Epochs 75 0.0218510258 0.1800805357  Epochs 76 0.02185994 0.170896416  Epochs 77 0.0213270523 0.180333783  Epochs 78 0.021827951 0.1807104498  Epochs 79 0.021827951 0.180039668  Epochs 79 0.0204667375 0.180039668  Epochs 80 0.0208667375 0.1800896685  Epochs 81 0.0208745515 0.180896645  Epochs 82 0.0207186546 0.180678645  Epochs 82 0.0207186546 0.180678645  Epochs 83 0.0205666343 0.18071278  Epochs 84 0.0205666343 0.18071278  Epochs 85 0.020544414 0.180518965  Epochs 86 0.020544414 0.180518965  Epochs 87 0.0204203017 0.1804375543  Epochs 88 0.0203786776 0.180538316  Epochs 89 0.0203786776 0.180538316  Epochs 89 0.0203482073 0.180546841  Epochs 89 0.0203482073 0.18054841  Epochs 99 0.020182875  Epochs 90 0.020182875  Epochs 90 0.020182875  Epochs 90 0.020218327  Epochs 90 0.020218327  Epochs 90 0.020218327  Epochs 90 0.020218324  Epochs 90 0.020218334 0.1805721074  Epochs 90 0.020218334 0.1805731074  Epochs 90 0.0200182397 0.180580944  Epochs 90 0.020018237 0.180580944  Epochs 90 0.020218334 0.1805721074  Epochs 90 0.020218334 0.1805721074  Epochs 90 0.0200182397 0.180580944  Epochs 90 0.0200182397 0.180580944  Epochs 90 0.020018237 0.180659994  | Epochs 71  | 0.0225225184  | 0.1803962439    |
| Epochs 74 0.0219340976 0.1800599447  Epochs 75 0.0219594 0.1900605357  Epochs 76 0.0219594 0.179996410  Epochs 77 0.0213270523 0.1803337783  Epochs 78 0.0211827531 0.1807104498  Epochs 79 0.0208407375 0.180936958  Epochs 80 0.0208407375 0.1808369645  Epochs 80 0.0208405815 0.1808908645  Epochs 81 0.0208726537 0.1807554215  Epochs 82 0.0207186546 0.180690868  Epochs 83 0.0209595352 0.180662483  Epochs 83 0.0205969343 0.180662483  Epochs 84 0.0205666943 0.18067228  Epochs 86 0.02044414 0.18051656  Epochs 87 0.0204403017 0.1804376543  Epochs 87 0.0204203017 0.1804376543  Epochs 88 0.0203427673 0.1806338116  Epochs 89 0.020345073 0.180638116  Epochs 89 0.020345073 0.180638116  Epochs 90 0.0203316503 0.1806094491  Epochs 91 0.020278532 0.18060441  Epochs 92 0.020213237 0.1806326803  Epochs 93 0.020278532 0.1806094491  Epochs 94 0.020213237 0.1806226803  Epochs 95 0.020124554 0.1806226803  Epochs 96 0.020124554 0.1806226803  Epochs 96 0.020124554 0.1806271074  Epochs 96 0.020122667 0.1806300197  Epochs 96 0.020122267 0.1806300197  Epochs 96 0.020122667 0.1806000197  Epochs 98 0.0200056475 0.1806000197  Epochs 98 0.0200056475 0.1806000197  | Epochs 72  | 0.0217143539  | 0.1805799752    |
| Epochs 75 0.0215810288 0.1800505377  Epochs 76 0.02132594 0.179996416  Epochs 77 0.0213270523 0.180337783  Epochs 78 0.0211827531 0.1807104498  Epochs 79 0.0208467375 0.180936958  Epochs 80 0.020846615 0.180896846  Epochs 81 0.0208728537 0.180754215  Epochs 82 0.0207186546 0.180696846  Epochs 83 0.0205935352 0.1806512728  Epochs 84 0.0205586543 0.180612728  Epochs 85 0.0705444414 0.180612728  Epochs 86 0.020342675 0.1804376543  Epochs 87 0.0204403017 0.1804376543  Epochs 88 0.0203728776 0.1805383116  Epochs 89 0.0203425073 0.1805383116  Epochs 99 0.02034569 0.180636811  Epochs 91 0.02024849 0.18047945  Epochs 92 0.020215532 0.1806366162  Epochs 93 0.020278532 0.1806366162  Epochs 94 0.020122607 0.180536117  Epochs 95 0.020122607 0.180536110  Epochs 96 0.02031503 0.180598481  Epochs 97 0.020248549 0.180479452  Epochs 98 0.02031503 0.180526803  Epochs 99 0.020124534 0.1805721074  Epochs 99 0.020125267 0.180530107  Epochs 96 0.020125267 0.180530107  Epochs 96 0.020125267 0.180530107  Epochs 96 0.020125267 0.180530107  Epochs 98 0.020026475 0.180530107  Epochs 98 0.020026475 0.180530107  Epochs 98 0.020026475 0.180530107  Epochs 98 0.020026475 0.1805500107  Epochs 98 0.020026475 0.1805500107  Epochs 98 0.020056475 0.1805500107   | Epochs 73  | 0.0218048245  | 0.1805520952    |
| Epochs 76  D. 0.2135994  Epochs 77  D. 0.213270523  D. 1803337783  Epochs 78  D. 1807104498  Epochs 79  D. 0.208467375  D. 180856958  Epochs 80  D. 0.208645515  D. 180856645  Epochs 81  D. 0.208728537  D. 180754215  Epochs 82  D. 0.207186546  D. 1806718566  Epochs 83  D. 0.205893582  D. 18065483  Epochs 84  D. 0.20569343  D. 18067288  Epochs 85  D. 0.205444414  D. 180518955  Epochs 86  D. 0.20444275  D. 1804376543  Epochs 87  D. 1804376543  Epochs 88  D. 0.2037267776  D. 1804376543  Epochs 89  D. 0.203452073  D. 1805383116  Epochs 89  D. 0.203452073  D. 1805408511  Epochs 90  D. 0.203318503  D. 1805408511  Epochs 91  D. 0.202048648  D. 0.202048648  D. 180579452  Epochs 92  D. 180526609  Epochs 96  D. 0.201294544  D. 180571074  Epochs 96  D. 0.201294544  D. 180550017  D. 180550017  Epochs 99  D. 0.202026475  D. 180560017  D. 180560017  Epochs 99   | Epochs 74  | 0.0219340976  | 0.1803599447    |
| Epochs 77         0.0213270523         0.1803337783           Epochs 78         0.0211827531         0.1807104489           Epochs 79         0.0208467375         0.1809356858           Epochs 80         0.020945615         0.1809306645           Epochs 81         0.0209728537         0.1807594215           Epochs 82         0.0207186546         0.1806718856           Epochs 83         0.020593352         0.180662483           Epochs 84         0.020568343         0.180612728           Epochs 85         0.020444414         0.180518955           Epochs 86         0.020448275         0.1804376543           Epochs 87         0.0204203017         0.1804231554           Epochs 88         0.0203726776         0.1804333116           Epochs 89         0.020318503         0.1805383116           Epochs 90         0.020318503         0.1805094481           Epochs 91         0.020248849         0.180479452           Epochs 92         0.020213237         0.1806226803           Epochs 93         0.0202193237         0.1806226803           Epochs 95         0.0201696299         0.1806381217           Epochs 96         0.0201696299         0.1806591217           Epochs 98   | Epochs 75  | 0.0215810258  | 0.1800605357    |
| Epochs 78  Epochs 79  0.0208467375  0.1809356958  Epochs 80  0.0209045615  0.180806645  Epochs 81  0.0208728537  0.1807554215  Epochs 82  0.0207186546  0.1806718656  Epochs 83  0.020933562  0.180662483  Epochs 84  0.0205568343  0.180612728  Epochs 85  0.020444414  0.180518955  Epochs 86  0.0204848275  0.1804376543  Epochs 87  0.0204203017  0.1804231554  Epochs 88  0.0203726776  0.180433116  Epochs 89  0.0203452073  0.1805406511  Epochs 90  0.020318503  0.1806798452  Epochs 91  0.020212337  0.1806226803  Epochs 93  0.0202726532  0.1806326803  Epochs 94  0.02012296532  0.1806526803  Epochs 95  0.02012296532  0.1806526803  Epochs 96  0.0201229657  0.18065791074  Epochs 96  0.020122967  0.1806509197  Epochs 97  0.020122967  0.1806609197  Epochs 98  0.020019077  0.180679834  | Epochs 76  | 0.02135594    | 0.179996416     |
| Epochs 79         0.0208467375         0.1808356958           Epochs 80         0.0209045615         0.1808906845           Epochs 81         0.0208728537         0.1807554215           Epochs 82         0.0207186546         0.1806718856           Epochs 83         0.0208393332         0.180682483           Epochs 84         0.0205566343         0.180612728           Epochs 85         0.020444414         0.180518955           Epochs 86         0.020484275         0.1804378543           Epochs 87         0.020420317         0.1804231554           Epochs 88         0.0203726776         0.1805383116           Epochs 89         0.0203452073         0.1805406511           Epochs 90         0.020318503         0.1805406511           Epochs 91         0.020248849         0.180594461           Epochs 92         0.020248849         0.180479452           Epochs 93         0.020278532         0.1806162447           Epochs 94         0.0201502405         0.1806396162           Epochs 95         0.0201606299         0.1806918217           Epochs 96         0.0201294534         0.180679917         0.180609197           Epochs 98         0.0200519077         0.180609197         0.180679934 </td <td>Epochs 77</td> <td>0.0213270523</td> <td>0.1803337783</td>  | Epochs 77  | 0.0213270523  | 0.1803337783    |
| Epochs 80  0.0208045615  0.18087584215  Epochs 82  0.0207186546  0.1806718856  Epochs 83  0.02095566343  0.18062483  Epochs 85  0.020444414  0.180518955  Epochs 86  0.020448275  0.1804376543  Epochs 87  0.0204203017  0.1804376543  Epochs 88  0.0203726776  0.1805383116  Epochs 89  0.0203452073  0.180509481  Epochs 90  0.0203418203  Epochs 91  0.020248849  0.180579452  Epochs 92  0.020248537  0.180536662  Epochs 93  0.020278532  0.180536662  Epochs 94  0.0201666299  0.1805721074  Epochs 97  0.1805809197  Epochs 98  0.0200286475  0.1805809197  Epochs 99  0.0200286475  0.1805809197  Epochs 99  0.0200286475  0.1805809197  Epochs 99  0.0200286475  0.1806509197   | Epochs 78  | 0.0211827531  | 0.1807104498    |
| Epochs 81         0.0208728537         0.1807554215           Epochs 82         0.0207186546         0.1806718856           Epochs 83         0.0205935352         0.180662483           Epochs 84         0.020566433         0.180612728           Epochs 85         0.020444414         0.180518955           Epochs 86         0.020448275         0.1804376543           Epochs 87         0.0204203017         0.1804376543           Epochs 88         0.0203726776         0.180583116           Epochs 89         0.0203452073         0.1805406511           Epochs 90         0.0203318503         0.1805094481           Epochs 91         0.02024849         0.180479452           Epochs 92         0.020213237         0.180479452           Epochs 93         0.020278532         0.1806162447           Epochs 94         0.0201602405         0.180636162           Epochs 95         0.0201602405         0.180591217           Epochs 96         0.0201294534         0.1805721074           Epochs 97         0.020129267         0.1806509197           Epochs 98         0.0200519077         0.1806509197           Epochs 99         0.0200519077         0.1806509197  | Epochs 79  | 0.0208467375  | 0.1809356958    |
| Epochs 82         0.0207186546         0.1806718856           Epochs 83         0.0205935352         0.180662483           Epochs 84         0.0205566343         0.180612728           Epochs 85         0.0205444414         0.180518955           Epochs 86         0.0204848275         0.1804376543           Epochs 87         0.0204203017         0.1804231554           Epochs 88         0.0203726776         0.1805383116           Epochs 89         0.0203452073         0.1805406511           Epochs 90         0.0203318503         0.1805904481           Epochs 91         0.020248849         0.180479452           Epochs 92         0.020213237         0.1805226803           Epochs 93         0.0202278532         0.1806162447           Epochs 94         0.0201502405         0.1806356162           Epochs 95         0.0201666299         0.1805918217           Epochs 96         0.0201294534         0.1805721074           Epochs 97         0.020129267         0.1806509197           Epochs 98         0.0200519077         0.1806509197           Epochs 99         0.0200519077         0.1806759834   | Epochs 80  | 0.0209045615  | 0.1808906645    |
| Epochs 83         0.020586343         0.180662483           Epochs 84         0.0205566343         0.180612728           Epochs 85         0.0205444414         0.180518955           Epochs 86         0.020488275         0.1804376643           Epochs 87         0.0204203017         0.1804231554           Epochs 88         0.0203726776         0.1805383116           Epochs 89         0.0203452073         0.1805406511           Epochs 90         0.0203318503         0.1805908481           Epochs 91         0.0202048849         0.180479452           Epochs 92         0.02013237         0.1805226803           Epochs 93         0.020278532         0.1806162447           Epochs 94         0.0201502405         0.1806356162           Epochs 95         0.0201666299         0.1805918217           Epochs 96         0.0201294534         0.1805721074           Epochs 97         0.020129267         0.1806509197           Epochs 98         0.0200926475         0.1806509197           Epochs 99         0.0200519077         0.1806579834  | Epochs 81  | 0.0208728537  | 0.1807554215    |
| Epochs 84         0.0205566343         0.180612728           Epochs 85         0.0205444414         0.180518955           Epochs 86         0.0204848275         0.1804376543           Epochs 87         0.0204203017         0.1804231554           Epochs 88         0.0203726776         0.1805383116           Epochs 89         0.0203452073         0.1805406511           Epochs 90         0.0203318503         0.1805094481           Epochs 91         0.0202048849         0.180479452           Epochs 92         0.020213237         0.180526803           Epochs 93         0.0202278532         0.1806162447           Epochs 94         0.0201502405         0.1806356162           Epochs 95         0.0201666299         0.1805918217           Epochs 96         0.0201294534         0.1805721074           Epochs 97         0.0201229267         0.1806509197           Epochs 98         0.0200926475         0.1806759834   | Epochs 82  | 0.0207186546  | 0.1806718856    |
| Epochs 85       0.0205444414       0.180518955         Epochs 86       0.0204848275       0.1804376543         Epochs 87       0.0204203017       0.1804231554         Epochs 88       0.0203726776       0.1805383116         Epochs 99       0.0203452073       0.1805406511         Epochs 90       0.0203318503       0.1805994481         Epochs 91       0.020248849       0.180479452         Epochs 92       0.020213237       0.1805226803         Epochs 93       0.020278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834   | Epochs 83  | 0.0205935352  | 0.180662483     |
| Epochs 86       0.0204848275       0.1804376543         Epochs 87       0.0204203017       0.1804231554         Epochs 88       0.0203726776       0.1805383116         Epochs 89       0.0203452073       0.1805406511         Epochs 90       0.0203318503       0.1805094481         Epochs 91       0.0202048849       0.180479452         Epochs 92       0.020213237       0.1805226803         Epochs 93       0.0202278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200928475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 84  | 0.0205566343  | 0.180612728     |
| Epochs 87       0.0204203017       0.1804231554         Epochs 88       0.0203726776       0.1805383116         Epochs 89       0.0203452073       0.1805406511         Epochs 90       0.0203318503       0.1805094481         Epochs 91       0.020248849       0.180479452         Epochs 92       0.020213237       0.1805226803         Epochs 93       0.0202278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806759834         Epochs 99       0.0200519077       0.1806759834   | Epochs 85  | 0.0205444414  | 0.180518955     |
| Epochs 88 0.0203726776 0.1805383116  Epochs 89 0.0203452073 0.1805406511  Epochs 90 0.0203318503 0.1805094481  Epochs 91 0.0202048849 0.180479452  Epochs 92 0.020213237 0.1805226803  Epochs 93 0.0202278532 0.1806162447  Epochs 94 0.0201502405 0.1806356162  Epochs 95 0.0201666299 0.180639177  Epochs 96 0.0201294534 0.1805721074  Epochs 97 0.0201229267 0.18065002  Epochs 98 0.0200926475 0.1806509197  Epochs 99 0.0200519077 0.1806759834  | Epochs 86  | 0.0204848275  | 0.1804376543    |
| Epochs 89       0.0203452073       0.1805406511         Epochs 90       0.0203318503       0.1805094481         Epochs 91       0.0202048849       0.180479452         Epochs 92       0.020213237       0.1805226803         Epochs 93       0.0202278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 87  | 0.0204203017  | 0.1804231554    |
| Epochs 90       0.0203318503       0.1805094481         Epochs 91       0.0202048849       0.180479452         Epochs 92       0.020213237       0.1805226803         Epochs 93       0.0202278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 88  | 0.0203726776  | 0.1805383116    |
| Epochs 91       0.0202048849       0.180479452         Epochs 92       0.020213237       0.1805226803         Epochs 93       0.0202278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 89  | 0.0203452073  | 0.1805406511    |
| Epochs 92       0.020213237       0.1805226803         Epochs 93       0.0202278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834   | Epochs 90  | 0.0203318503  | 0.1805094481    |
| Epochs 93       0.0202278532       0.1806162447         Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 91  | 0.0202048849  | 0.180479452     |
| Epochs 94       0.0201502405       0.1806356162         Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 92  | 0.020213237   | 0.1805226803    |
| Epochs 95       0.0201666299       0.1805918217         Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 93  | 0.0202278532  | 0.1806162447    |
| Epochs 96       0.0201294534       0.1805721074         Epochs 97       0.0201229267       0.18058002         Epochs 98       0.0200926475       0.1806509197         Epochs 99       0.0200519077       0.1806759834  | Epochs 94  | 0.0201502405  | 0.1806356162    |
| Epochs 97         0.0201229267         0.18058002           Epochs 98         0.0200926475         0.1806509197           Epochs 99         0.0200519077         0.1806759834  | Epochs 95  | 0.0201666299  | 0.1805918217    |
| Epochs 98         0.0200926475         0.1806509197           Epochs 99         0.0200519077         0.1806759834  | Epochs 96  | 0.0201294534  | 0.1805721074    |
| Epochs 99 0.0200519077 0.1806759834  | Epochs 97  | 0.0201229267  | 0.18058002      |
|  | Epochs 98  | 0.0200926475  | 0.1806509197    |
| Epochs 100 0.0200195424 0.1806810051   | Epochs 99  | 0.0200519077  | 0.1806759834    |
|  | Epochs 100 | 0.0200195424  | 0.1806810051    |