

```
1 C:\Users\jump3\Downloads\ece1895-ML_JuniorDesign\.  
  venv\Scripts\python.exe C:\Users\jump3\Downloads\  
  ece1895-ML_JuniorDesign\WF_train.py  
2 2024-04-28 08:37:45.916721: I tensorflow/core/util/  
  port.cc:113] oneDNN custom operations are on. You may  
  see slightly different numerical results due to  
  floating-point round-off errors from different  
  computation orders. To turn them off, set the  
  environment variable `TF_ENABLE_ONEDNN_OPTS=0`.  
3 2024-04-28 08:37:46.371886: I tensorflow/core/util/  
  port.cc:113] oneDNN custom operations are on. You may  
  see slightly different numerical results due to  
  floating-point round-off errors from different  
  computation orders. To turn them off, set the  
  environment variable `TF_ENABLE_ONEDNN_OPTS=0`.  
4 DIRECTORY:      C:\Users\jump3\Downloads\ece1895-  
  ML_JuniorDesign>  
5 2024-04-28 08:37:47.195112: I tensorflow/core/  
  platform/cpu_feature_guard.cc:210] This TensorFlow  
  binary is optimized to use available CPU instructions  
  in performance-critical operations.  
6 To enable the following instructions: AVX2 AVX_VNNI  
  FMA, in other operations, rebuild TensorFlow with the  
  appropriate compiler flags.  
7 C:\Users\jump3\Downloads\ece1895-ML_JuniorDesign\.  
  venv\lib\site-packages\keras\src\layers\rnn\rnn.py:  
  204: UserWarning: Do not pass an `input_shape` /`  
  input_dim` argument to a layer. When using Sequential  
  models, prefer using an `Input(shape)` object as the  
  first layer in the model instead.  
8     super().__init__(**kwargs)  
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	'news1747.txt', 'news1748.txt', 'news1749.txt', '
	'news175.txt', 'news1750.txt', 'news1751.txt', '
	'news1752.txt', 'news1753.txt', 'news1754.txt', '
	'news1755.txt', 'news1756.txt', 'news1757.txt', '
	'news1758.txt', 'news1759.txt', 'news176.txt', '
	'news1760.txt', 'news1761.txt', 'news1762.txt', '
	'news1763.txt', 'news1764.txt', 'news1765.txt', '
	'news1766.txt', 'news1767.txt', 'news1768.txt', '
	'news1769.txt', 'news177.txt', 'news1770.txt', '
	'news1771.txt', 'news1772.txt', 'news1773.txt', '
	'news1774.txt', 'news1775.txt', 'news1776.txt', '
	'news1777.txt', 'news1778.txt', 'news1779.txt', '
	'news178.txt', 'news1780.txt', 'news1781.txt', '
	'news1782.txt', 'news1783.txt', 'news1784.txt', '
	'news1785.txt', 'news1786.txt', 'news1787.txt', '
	'news1788.txt', 'news1789.txt', 'news179.txt', '
	'news1790.txt', 'news1791.txt', 'news1792.txt', '
	'news1793.txt', 'news1794.txt', 'news1795.txt', '
	'news1796.txt', 'news1797.txt', 'news1798.txt', '
	'news1799.txt', 'news18.txt', 'news180.txt', 'news1800
	.txt', 'news1801.txt', 'news1802.txt', 'news1803.txt

```
10 ', 'news1804.txt', 'news1805.txt', 'news1806.txt', '
    news1807.txt', 'news1808.txt', 'news1809.txt', '
    news1810.txt', 'news1811.txt', '
    news1812.txt', 'news1813.txt', 'news1814.txt', '
    news1815.txt', 'news1816.txt', 'news1817.txt', '
    news1818.txt', 'news1819.txt', 'news1820.txt', '
    news1821.txt', 'news1822.txt', '
    news1823.txt', 'news1824.txt', 'news1825.txt', '
    news1826.txt', 'news1827.txt', 'news1828.txt', '
    news1829.txt', 'news1830.txt', '
    news1831.txt', 'news1832.txt', 'news1833.txt', '
    news1834.txt', 'news1835.txt', 'news1836.txt', '
    news1837.txt', 'news1838.txt', 'news1839.txt', '
    news1840.txt', 'news1841.txt', '
    news1842.txt', 'news1843.txt', 'news1844.txt', '
    news1845.txt', 'news1846.txt', 'news1847.txt', '
    news1848.txt', 'news1849.txt', 'news1850.txt', '
    news1851.txt', 'news1852.txt', '
    news1853.txt', 'news1854.txt', 'news1855.txt', '
    news1856.txt', 'news1857.txt', 'news1858.txt', '
    news1859.txt', 'news1860.txt', '
    news1861.txt', 'news1862.txt', 'news1863.txt', '
    news1864.txt', 'news1865.txt', 'news1866.txt', '
    news1867.txt', 'news1868.txt', 'news1869.txt', '
    news1870.txt', 'news1871.txt', '
    news1872.txt', 'news1873.txt', 'news1874.txt', '
    news1875.txt', 'news1876.txt', 'news1877.txt', '
    news1878.txt', 'news1879.txt', 'news1880.txt', '
    news1881.txt', 'news1882.txt', '
    news1883.txt', 'news1884.txt', 'news1885.txt', '
    news1886.txt', 'news1887.txt', 'news1888.txt', '
    news1889.txt', 'news1890.txt', '
    news1891.txt', 'news1892.txt', 'news1893.txt', '
    news1894.txt', 'news1895.txt', 'news1896.txt', '
    news1897.txt', 'news1898.txt']

11 ROUGH EST TIME: 28000sec
12 Ready to run training?
13
14 -----
15 <0/1000>STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news/news0.txt
```

```
16 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
17 2024-04-28 08:38:03.424029: E tensorflow/core/util/
util.cc:131] oneDNN supports DT_BOOL only on
platforms with AVX-512. Falling back to the default
Eigen-based implementation if present.
18 WARNING: saveModel: Model file already exists,
overwriting
19 WARNING: absl: You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
20 WARNING: saveModel: Dict file already exists,
overwriting
21 [Training total return] runtime: 7.973602294921875
22
23 -----
24 <1/1000>STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1.txt
25 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
26 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
27 WARNING: saveModel: Model file already exists,
overwriting
28 WARNING: absl: You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
29 WARNING: saveModel: Dict file already exists,
overwriting
30 [Training total return] runtime: 12.621045112609863
31
32 -----
33 <2/1000>STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news10.txt
34 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
34 ML_JuniorDesign\data\init_news\news0.txt...
35 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
36 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
37 WARNING: saveModel: Model file already exists,
    overwriting
38 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
39 WARNING: saveModel: Dict file already exists,
    overwriting
40 [Training total return] runtime: 21.53575849533081
41
42 -----
43 <3/1000>STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news100.txt
44 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
45 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
46 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
47 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
48 WARNING: saveModel: Model file already exists,
    overwriting
49 WARNING: saveModel: Dict file already exists,
    overwriting
50 [Training total return] runtime: 38.976906538009644
51 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
52
53 -----
```

```
54 <4/1000>STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news/news1000.txt
55 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news0.txt...
56 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news1.txt...
57 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news10.txt...
58 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news100.txt...
59 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news1000.txt...
60 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
61 WARNING: saveModel: Model file already exists,
    overwriting
62 WARNING: saveModel: Dict file already exists,
    overwriting
63 [Training total return] runtime: 49.15728044509888
64
65 -----
66 <5/1000>STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news/news1001.txt
67 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news0.txt...
68 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news1.txt...
69 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news10.txt...
70 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news100.txt...
71 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news1000.txt...
72 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news/news1001.txt...
73 WARNING: saveModel: Model file already exists,
    overwriting
```

```
74 WARNING: saveModel: Dict file already exists,
    overwriting
75 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
76 [Training total return] runtime: 82.84459781646729
77
78 -----
79 <6/1000>STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1002.txt
80 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
81 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
82 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
83 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
84 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
85 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
86 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
87 WARNING: saveModel: Model file already exists,
    overwriting
88 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
89 WARNING: saveModel: Dict file already exists,
    overwriting
90 [Training total return] runtime: 93.59709692001343
91
92 -----
93 <7/1000>STARTING: C:\Users\jump3\Downloads\
```

```
93 ece1895-ML_JuniorDesign\data\init_news\news1003.txt
94 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
95 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
96 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
97 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
98 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
99 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
100 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
101 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
102 WARNING: saveModel: Model file already exists,
    overwriting
103 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
104 WARNING: saveModel: Dict file already exists,
    overwriting
105 [Training total return] runtime: 112.84568309783936
106
107 -----
108 <8/1000>STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1004.txt
109 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
110 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
111 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
112 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
113 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
113 ML_JuniorDesign\data\init_news\news1000.txt...
114 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
115 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
116 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
117 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
118 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
119 WARNING: saveModel: Model file already exists,
    overwriting
120 WARNING: saveModel: Dict file already exists,
    overwriting
121 [Training total return] runtime: 132.56003618240356
122
123 -----
124 <9/1000>STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1005.txt
125 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
126 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
127 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
128 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
129 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
130 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
131 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
132 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
133 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
133 ML_JuniorDesign\data\init_news\news1004.txt...
134 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
135 WARNING: saveModel: Model file already exists,
    overwriting
136 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
137 WARNING: saveModel: Dict file already exists,
    overwriting
138 [Training total return] runtime: 143.0851457118988
139
140 -----
141 <10/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1006.txt
142 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
143 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
144 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
145 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
146 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
147 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
148 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
149 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
150 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
151 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
152 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
153 WARNING:absl:You are saving your model as an HDF5
```

```
153 file via `model.save()` or `keras.saving.save_model(  
    model)`. This file format is considered legacy. We  
    recommend using instead the native Keras format, e.g  
    . `model.save('my_model.keras')` or `keras.saving.  
    save_model(model, 'my_model.keras')`.  
154 [Training total return] runtime: 193.2359755039215  
155  
156 -----  
157 <11/1000> STARTING: C:\Users\jump3\Downloads\  
    ece1895-ML_JuniorDesign\data\init_news\news1007.txt  
158 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news0.txt...  
159 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1.txt...  
160 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news10.txt...  
161 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news100.txt...  
162 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1000.txt...  
163 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1001.txt...  
164 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1002.txt...  
165 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1003.txt...  
166 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1004.txt...  
167 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1005.txt...  
168 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1006.txt...  
169 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1007.txt...  
170 WARNING:absl:You are saving your model as an HDF5  
    file via `model.save()` or `keras.saving.save_model(  
    model)`. This file format is considered legacy. We  
    recommend using instead the native Keras format, e.g  
    . `model.save('my_model.keras')` or `keras.saving.  
    save_model(model, 'my_model.keras')`.  
171 [Training total return] runtime: 216.7282407283783
```

```
172
173 -----
174 <12/1000>    STARTING: C:\Users\jump3\Downloads\
175           ece1895-ML_JuniorDesign\data\init_news/news1008.txt
175 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
176           ML_JuniorDesign\data\init_news/news0.txt...
176 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
177           ML_JuniorDesign\data\init_news/news1.txt...
177 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
178           ML_JuniorDesign\data\init_news/news10.txt...
178 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
179           ML_JuniorDesign\data\init_news/news100.txt...
179 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
180           ML_JuniorDesign\data\init_news/news1001.txt...
181 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
182           ML_JuniorDesign\data\init_news/news1002.txt...
182 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
183           ML_JuniorDesign\data\init_news/news1003.txt...
183 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
184           ML_JuniorDesign\data\init_news/news1004.txt...
184 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
185           ML_JuniorDesign\data\init_news/news1005.txt...
185 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
186           ML_JuniorDesign\data\init_news/news1006.txt...
186 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
187           ML_JuniorDesign\data\init_news/news1007.txt...
187 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
188           ML_JuniorDesign\data\init_news/news1008.txt...
188 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
189 [Training total return] runtime: 263.9591920375824
190
191 -----
192 <13/1000>    STARTING: C:\Users\jump3\Downloads\
193           ece1895-ML_JuniorDesign\data\init_news/news1009.txt
```

```
193 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
194 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
195 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
196 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
197 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
198 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
199 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
200 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
201 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
202 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
203 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
204 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
205 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
206 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
207 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
208 [Training total return] runtime: 290.143177986145
209
210 -----
211 <14/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news101.txt
212 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
```

```
213 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
214 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
215 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
216 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
217 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
218 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
219 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
220 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
221 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
222 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
223 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
224 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
225 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
226 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news101.txt...
227 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
228 [Training total return] runtime: 324.0801432132721
229
230 -----
231 <15/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1010.txt
232 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
```

```
233 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
234 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
235 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
236 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
237 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
238 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
239 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
240 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
241 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
242 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
243 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
244 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
245 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
246 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news101.txt...
247 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1010.txt...
248 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
249 [Training total return] runtime: 467.19782280921936
250
251 -----
252 <16/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1011.txt
```

```
253 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
254 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
255 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
256 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
257 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
258 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
259 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
260 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
261 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
262 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
263 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
264 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
265 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
266 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
267 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news101.txt...
268 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1010.txt...
269 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1011.txt...
270 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
271 [Training total return] runtime: 494.3557279109955
```

```
272
273 -----
274 <17/1000> STARTING: C:\Users\jump3\Downloads\
275   ece1895-ML_JuniorDesign\data\init_news/news1012.txt
275 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
276   ML_JuniorDesign\data\init_news/news0.txt...
276 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
277   ML_JuniorDesign\data\init_news/news1.txt...
277 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
278   ML_JuniorDesign\data\init_news/news10.txt...
278 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
279   ML_JuniorDesign\data\init_news/news100.txt...
279 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
280   ML_JuniorDesign\data\init_news/news1001.txt...
281 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
282   ML_JuniorDesign\data\init_news/news1002.txt...
282 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
283   ML_JuniorDesign\data\init_news/news1003.txt...
283 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
284   ML_JuniorDesign\data\init_news/news1004.txt...
284 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
285   ML_JuniorDesign\data\init_news/news1005.txt...
285 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
286   ML_JuniorDesign\data\init_news/news1006.txt...
286 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
287   ML_JuniorDesign\data\init_news/news1007.txt...
287 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
288   ML_JuniorDesign\data\init_news/news1008.txt...
288 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
289   ML_JuniorDesign\data\init_news/news1009.txt...
289 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
290   ML_JuniorDesign\data\init_news/news1010.txt...
290 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
291   ML_JuniorDesign\data\init_news/news1011.txt...
291 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
292   ML_JuniorDesign\data\init_news/news1012.txt...
292 WARNING:absl:You are saving your model as an HDF5
```

```
293 file via `model.save()` or `keras.saving.save_model(  
    model)`. This file format is considered legacy. We  
    recommend using instead the native Keras format, e.g  
    . `model.save('my_model.keras')` or `keras.saving.  
    save_model(model, 'my_model.keras')`.  
294 [Training total return] runtime: 635.5197117328644  
295  
296 -----  
297 <18/1000> STARTING: C:\Users\jump3\Downloads\  
    ece1895-ML_JuniorDesign\data\init_news\news1013.txt  
298 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news0.txt...  
299 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1.txt...  
300 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news10.txt...  
301 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news100.txt...  
302 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1000.txt...  
303 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1001.txt...  
304 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1002.txt...  
305 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1003.txt...  
306 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1004.txt...  
307 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1005.txt...  
308 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1006.txt...  
309 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1007.txt...  
310 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1008.txt...  
311 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1009.txt...  
312 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news101.txt...  
313 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
313 ML_JuniorDesign\data\init_news\news1010.txt...
314 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
315 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
316 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
317 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
318 [Training total return] runtime: 674.0066785812378
319
320 -----
321 <19/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1014.txt
322 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
323 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
324 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
325 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
326 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
327 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
328 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
329 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
330 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
331 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
332 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
333 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
333 ML_JuniorDesign\data\init_news\news1007.txt...
334 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1008.txt...
335 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
336 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news101.txt...
337 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
338 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
339 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
340 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
341 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
342 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
343 [Training total return] runtime: 788.4323327541351
344
345 -----
346 <20/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1015.txt
347 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
348 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
349 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
350 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
351 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
352 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
353 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
353 ML_JuniorDesign\data\init_news\news1002.txt...
354 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
355 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
356 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
357 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
358 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1007.txt...
359 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1008.txt...
360 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
361 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news101.txt...
362 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
363 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
364 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
365 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
366 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
367 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1015.txt...
368 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
369 [Training total return] runtime: 848.8975689411163
370
371 -----
372 <21/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1016.txt
373 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
373 ML_JuniorDesign\data\init_news\news0.txt...
374 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
375 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
376 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
377 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
378 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
379 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
380 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
381 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
382 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
383 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
384 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1007.txt...
385 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1008.txt...
386 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
387 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news101.txt...
388 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
389 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
390 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
391 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
392 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
393 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1015.txt...
```

```
394 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
395 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
396 [Training total return] runtime: 958.309451341629
397
398 -----
399 <22/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1017.txt
400 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
401 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
402 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
403 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
404 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
405 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
406 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
407 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
408 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
409 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
410 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
411 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
412 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
413 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
```

```
414 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news101.txt...
415 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1010.txt...
416 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1011.txt...
417 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1012.txt...
418 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1013.txt...
419 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
420 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
421 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
422 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
423 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
424 [Training total return] runtime: 1050.828825712204
425
426 -----
427 <23/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1018.txt
428 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
429 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
430 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
431 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
432 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
433 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
```

```
434 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
435 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
436 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
437 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
438 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
439 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
440 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
441 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
442 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news101.txt...
443 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1010.txt...
444 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1011.txt...
445 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1012.txt...
446 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1013.txt...
447 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
448 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
449 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
450 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
451 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1018.txt...
452 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
```

```
452 save_model(model, 'my_model.keras')`.
453 [Training total return] runtime: 1144.74667096138
454
455 -----
456 <24/1000> STARTING: C:\Users\jump3\Downloads\
457   ece1895-ML_JuniorDesign\data\init_news/news1019.txt
458 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
459   ML_JuniorDesign\data\init_news/news0.txt...
460 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
461   ML_JuniorDesign\data\init_news/news1.txt...
462 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
463   ML_JuniorDesign\data\init_news/news10.txt...
464 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
465   ML_JuniorDesign\data\init_news/news100.txt...
466 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
467   ML_JuniorDesign\data\init_news/news1000.txt...
468 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
469   ML_JuniorDesign\data\init_news/news1001.txt...
470 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
471   ML_JuniorDesign\data\init_news/news1002.txt...
472 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
473   ML_JuniorDesign\data\init_news/news1003.txt...
474 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
```

```
474 ML_JuniorDesign\data\init_news\news1012.txt...
475 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
476 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
477 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1015.txt...
478 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1016.txt...
479 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1017.txt...
480 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1018.txt...
481 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1019.txt...
482 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
483 [Training total return] runtime: 1254.7650492191315
484
485 -----
486 <25/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news102.txt
487 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
488 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
489 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
490 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
491 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
492 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
493 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
494 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
494 ML_JuniorDesign\data\init_news\news1003.txt...
495 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
496 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
497 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
498 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1007.txt...
499 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1008.txt...
500 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
501 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news101.txt...
502 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
503 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
504 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
505 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
506 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
507 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1015.txt...
508 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1016.txt...
509 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1017.txt...
510 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1018.txt...
511 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1019.txt...
512 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news102.txt...
513 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
        model)`. This file format is considered legacy. We
        recommend using instead the native Keras format, e.g.
```

```
513 . `model.save('my_model.keras')` or `keras.saving.  
    save_model(model, 'my_model.keras')`.  
514 [Training total return] runtime: 1426.4950675964355  
515  
516 -----  
517 <26/1000> STARTING: C:\Users\jump3\Downloads\  
    ece1895-ML_JuniorDesign\data\init_news\news1020.txt  
518 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news0.txt...  
519 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1.txt...  
520 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news10.txt...  
521 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news100.txt...  
522 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1000.txt...  
523 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1001.txt...  
524 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1002.txt...  
525 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1003.txt...  
526 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1004.txt...  
527 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1005.txt...  
528 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1006.txt...  
529 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1007.txt...  
530 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1008.txt...  
531 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1009.txt...  
532 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news101.txt...  
533 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1010.txt...  
534 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-  
    ML_JuniorDesign\data\init_news\news1011.txt...
```

```
535 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1012.txt...
536 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1013.txt...
537 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
538 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
539 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
540 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
541 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1018.txt...
542 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1019.txt...
543 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news102.txt...
544 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1020.txt...
545 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
546 [Training total return] runtime: 1529.1883358955383
547
548 -----
549 <27/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1021.txt
550 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
551 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
552 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
553 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
554 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
```

```
555 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
556 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
557 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
558 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
559 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
560 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
561 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
562 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
563 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
564 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news101.txt...
565 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1010.txt...
566 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1011.txt...
567 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1012.txt...
568 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1013.txt...
569 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
570 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
571 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
572 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
573 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1018.txt...
574 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1019.txt...
575 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
575 ML_JuniorDesign\data\init_news\news102.txt...
576 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1020.txt...
577 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1021.txt...
578 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
579 [Training total return] runtime: 1601.3053452968597
580
581 -----
582 <28/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1022.txt
583 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
584 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
585 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
586 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
587 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
588 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
589 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
590 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
591 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
592 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
593 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
594 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1007.txt...
595 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
595 ML_JuniorDesign\data\init_news\news1008.txt...
596 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
597 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news101.txt...
598 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
599 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
600 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
601 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
602 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
603 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1015.txt...
604 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1016.txt...
605 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1017.txt...
606 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1018.txt...
607 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1019.txt...
608 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news102.txt...
609 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1020.txt...
610 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1021.txt...
611 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1022.txt...
612 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
613 [Training total return] runtime: 1677.064900636673
614
```

```
615 -----
616 <29/1000> STARTING: C:\Users\jump3\Downloads\
   ece1895-ML_JuniorDesign\data\init_news/news1023.txt
617 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news0.txt...
618 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1.txt...
619 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news10.txt...
620 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news100.txt...
621 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1000.txt...
622 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1001.txt...
623 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1002.txt...
624 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1003.txt...
625 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1004.txt...
626 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1005.txt...
627 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1006.txt...
628 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1007.txt...
629 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1008.txt...
630 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1009.txt...
631 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news101.txt...
632 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1010.txt...
633 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1011.txt...
634 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1012.txt...
635 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
   ML_JuniorDesign\data\init_news/news1013.txt...
```

```
636 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
637 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
638 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
639 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
640 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1018.txt...
641 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1019.txt...
642 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news102.txt...
643 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1020.txt...
644 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1021.txt...
645 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1022.txt...
646 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1023.txt...
647 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
648 [Training total return] runtime: 1883.7049489021301
649
650 -----
651 <30/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1024.txt
652 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
653 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
654 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
655 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
```

```
656 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
657 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
658 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
659 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
660 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
661 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
662 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
663 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
664 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
665 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
666 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1010.txt...
667 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1011.txt...
668 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1012.txt...
669 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1013.txt...
670 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
671 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
672 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
673 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
674 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1018.txt...
675 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1019.txt...
676 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
676 ML_JuniorDesign\data\init_news\news1019.txt...
677 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news102.txt...
678 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1020.txt...
679 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1021.txt...
680 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1022.txt...
681 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1023.txt...
682 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1024.txt...
683 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
684 [Training total return] runtime: 2195.584911108017
685
686 -----
687 <31/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1025.txt
688 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
689 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
690 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
691 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
692 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
693 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
694 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
695 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
696 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
696 ML_JuniorDesign\data\init_news\news1004.txt...
697 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
698 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
699 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1007.txt...
700 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1008.txt...
701 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
702 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news101.txt...
703 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
704 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
705 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
706 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
707 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
708 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1015.txt...
709 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1016.txt...
710 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1017.txt...
711 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1018.txt...
712 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1019.txt...
713 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news102.txt...
714 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1020.txt...
715 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1021.txt...
716 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1022.txt...
```

```
717 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1023.txt...
718 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1024.txt...
719 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1025.txt...
720 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
recommend using instead the native Keras format, e.g
. `model.save('my_model.keras')` or `keras.saving.
save_model(model, 'my_model.keras')`.
721 [Training total return] runtime: 2281.3031804561615
722
723 -----
724 <32/1000> STARTING: C:\Users\jump3\Downloads\
ece1895-ML_JuniorDesign\data\init_news/news1026.txt
725 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news0.txt...
726 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1.txt...
727 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news10.txt...
728 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news100.txt...
729 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1000.txt...
730 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1001.txt...
731 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1002.txt...
732 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1003.txt...
733 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1004.txt...
734 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1005.txt...
735 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1006.txt...
736 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1007.txt...
```

```
737 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1008.txt...
738 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1009.txt...
739 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news101.txt...
740 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1010.txt...
741 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1011.txt...
742 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1012.txt...
743 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1013.txt...
744 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
745 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
746 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
747 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
748 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1018.txt...
749 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1019.txt...
750 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news102.txt...
751 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1020.txt...
752 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1021.txt...
753 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1022.txt...
754 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1023.txt...
755 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1024.txt...
756 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1025.txt...
757 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
757 ML_JuniorDesign\data\init_news\news1026.txt...
758 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model(
    model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
759 [Training total return] runtime: 2489.9166266918182
760
761 -----
762 <33/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1027.txt
763 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
764 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
765 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
766 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
767 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
768 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
769 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
770 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
771 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
772 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
773 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
774 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1007.txt...
775 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1008.txt...
776 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
777 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
```

```
777 ML_JuniorDesign\data\init_news\news101.txt...
778 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
779 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1011.txt...
780 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1012.txt...
781 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1013.txt...
782 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1014.txt...
783 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1015.txt...
784 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1016.txt...
785 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1017.txt...
786 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1018.txt...
787 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1019.txt...
788 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news102.txt...
789 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1020.txt...
790 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1021.txt...
791 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1022.txt...
792 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1023.txt...
793 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1024.txt...
794 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1025.txt...
795 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1026.txt...
796 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1027.txt...
797 WARNING:absl:You are saving your model as an HDF5
    file via `model.save()` or `keras.saving.save_model()
```

```
797 model)`. This file format is considered legacy. We
    recommend using instead the native Keras format, e.g
    . `model.save('my_model.keras')` or `keras.saving.
    save_model(model, 'my_model.keras')`.
798 [Training total return] runtime: 2857.223366498947
799
800 -----
801 <34/1000> STARTING: C:\Users\jump3\Downloads\
    ece1895-ML_JuniorDesign\data\init_news\news1028.txt
802 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news0.txt...
803 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1.txt...
804 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news10.txt...
805 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news100.txt...
806 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1000.txt...
807 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1001.txt...
808 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1002.txt...
809 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1003.txt...
810 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1004.txt...
811 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1005.txt...
812 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1006.txt...
813 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1007.txt...
814 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1008.txt...
815 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1009.txt...
816 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news101.txt...
817 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-
    ML_JuniorDesign\data\init_news\news1010.txt...
```

```
818 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1011.txt...
819 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1012.txt...
820 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1013.txt...
821 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1014.txt...
822 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1015.txt...
823 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1016.txt...
824 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1017.txt...
825 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1018.txt...
826 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1019.txt...
827 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1020.txt...
828 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1021.txt...
829 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1022.txt...
830 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1023.txt...
831 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1024.txt...
832 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1025.txt...
833 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1026.txt...
834 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1027.txt...
835 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1028.txt...
836 TRAINING CURR: C:\Users\jump3\Downloads\ece1895-
ML_JuniorDesign\data\init_news/news1029.txt...
837 WARNING:absl:You are saving your model as an HDF5
file via `model.save()` or `keras.saving.save_model(
model)`. This file format is considered legacy. We
```

```
837 recommend using instead the native Keras format, e.g  
     . `model.save('my_model.keras')` or `keras.saving.  
     save_model(model, 'my_model.keras')`.  
838 [Training total return] runtime: 3082.927634000778  
839  
840 -----  
841 <35/1000> STARTING: C:\Users\jump3\Downloads\  
     ece1895-ML_JuniorDesign\data\init_news\news1029.txt  
842 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-  
     ML_JuniorDesign\data\init_news\news0.txt...  
843 TRAINING CURR:  C:\Users\jump3\Downloads\ece1895-  
     ML_JuniorDesign\data\init_news\news1.txt...  
844
```