Params: RNN Layer = 128, Learning Rate/AlphaDrop = 0.001, Dropout Layer = 0.2, Epochs = 40, Batchsize = 16, Validation Split = 0.3, Patience = 3.

WARNING:tensorflow:`period` argument is deprecated. Please use `save\_freq` to specify the frequency in number of samples seen.

Train on 76787 samples, validate on 32910 samples

Epoch 1/40

76787/76787 [==============================] - 1930s 25ms/sample - loss: 18.5391 - categorical\_accuracy: 0.0508 - val\_loss: 6.2455 - val\_categorical\_accuracy: 0.0521

Epoch 2/40

76787/76787 [==============================] - 2040s 27ms/sample - loss: 6.2519 - categorical\_accuracy: 0.0592 - val\_loss: 6.4710 - val\_categorical\_accuracy: 0.0598

Epoch 3/40

76787/76787 [==============================] - 1549s 20ms/sample - loss: 6.4733 - categorical\_accuracy: 0.0700 - val\_loss: 6.7798 - val\_categorical\_accuracy: 0.0708

Epoch 4/40

76787/76787 [==============================] - 1567s 20ms/sample - loss: 6.6309 - categorical\_accuracy: 0.0887 - val\_loss: 6.7112 - val\_categorical\_accuracy: 0.0883

------ temperature: 0.2

point literally turned and ran away into a separate section of the television studio so that he was filmed standing ridiculously under the promotional backdrop instead he backed off further and further and at one and the a the the a the and a the the and the the the and the and and the

------ temperature: 0.3

point literally turned and ran away into a separate section of the television studio so that he was filmed standing ridiculously under the promotional backdrop instead he backed off further and further and at one and the a the the a the and a the the and the the the and the and and the he the the the the the the the the the a the ‘ the you this a the as as

------ temperature: 1.0

point literally turned and ran away into a separate section of the television studio so that he was filmed standing ridiculously under the promotional backdrop instead he backed off further and further and at one and the a the the a the and a the the and the the the and the and and the he the the the the the the the the the a the ‘ the you this a the as as they not book ‘ by you just night on over and on when using people a what ’s was there

------ temperature: 1.2

point literally turned and ran away into a separate section of the television studio so that he was filmed standing ridiculously under the promotional backdrop instead he backed off further and further and at one and the a the the a the and a the the and the the the and the and and the he the the the the the the the the the a the ‘ the you this a the as as they not book ‘ by you just night on over and on when using people a what ’s was there friend sant party ( pullicino orlando him in he is is sant coalition to party labour it have was ?

------ temperature: 0.2

/Users/marlontabone/opt/anaconda3/envs/AI2020/lib/python3.7/site-packages/ipykernel\_launcher.py:3: RuntimeWarning: divide by zero encountered in log

This is separate from the ipykernel package so we can avoid doing imports until

whenever i and others mention italy as an example of why coalition governments are disastrous for the country ad jumps out of the woodwork and says but what about germany ? yes what indeed germany is now in a huge mess – as the new left of post gdr communists come to the fore traditional coalitions are ruled out leaving a swamp of swamp coalitions make for extremely weak governments and attempting to forge a coalition is a pointless in a country is a there where there is two extremely strong political parties two parties but and around with a there for is simply scope a between there and the between the there and the leader of the nationalist party ’s as alfred sant has even the has as hypothetical

------ temperature: 0.5

whenever i and others mention italy as an example of why coalition governments are disastrous for the country ad jumps out of the woodwork and says but what about germany ? yes what indeed germany is now in a huge mess – as the new left of post gdr communists come to the fore traditional coalitions are ruled out leaving a swamp of swamp coalitions make for extremely weak governments and attempting to forge a coalition is a pointless in a country is a there where there is two extremely strong political parties two parties but and around with a there for is simply scope a between there and the between the there and the leader of the nationalist party ’s as alfred sant has even the has as hypothetical questions hypothetical about alfred sant not spilt the subsidised and seat they would just have been the of we respect of labour ’s ’s what ’s said what he do me i maltese ( that he why has been are that this would have him and he he his he operated and the like and short has no best out of the country he it good now is the at are press from the labour party in alfred sant and has nobody has able to labour party and the good or at hypothetical questions what does what he people are

------ temperature: 1.0

whenever i and others mention italy as an example of why coalition governments are disastrous for the country ad jumps out of the woodwork and says but what about germany ? yes what indeed germany is now in a huge mess – as the new left of post gdr communists come to the fore traditional coalitions are ruled out leaving a swamp of swamp coalitions make for extremely weak governments and attempting to forge a coalition is a pointless in a country is a there where there is two extremely strong political parties two parties but and around with a there for is simply scope a between there and the between the there and the leader of the nationalist party ’s as alfred sant has even the has as hypothetical questions hypothetical about alfred sant not spilt the subsidised and seat they would just have been the of we respect of labour ’s ’s what ’s said what he do me i maltese ( that he why has been are that this would have him and he he his he operated and the like and short has no best out of the country he it good now is the at are press from the labour party in alfred sant and has nobody has able to labour party and the good or at hypothetical questions what does what he people are you for that ad comment of malta on the prodi is so ” this means that this answer questions about the past sant alone i wish i was because she is this this and this it this man is a matter lot party party has that says but when as has has an it for his it is that one of overtime so alfred and strong coalition government so that the government voting said it to the nationalist party has all can the voting it labour ! i do you ’d it for a it ( it and admiration i

------ temperature: 1.2

whenever i and others mention italy as an example of why coalition governments are disastrous for the country ad jumps out of the woodwork and says but what about germany ? yes what indeed germany is now in a huge mess – as the new left of post gdr communists come to the fore traditional coalitions are ruled out leaving a swamp of swamp coalitions make for extremely weak governments and attempting to forge a coalition is a pointless in a country is a there where there is two extremely strong political parties two parties but and around with a there for is simply scope a between there and the between the there and the leader of the nationalist party ’s as alfred sant has even the has as hypothetical questions hypothetical about alfred sant not spilt the subsidised and seat they would just have been the of we respect of labour ’s ’s what ’s said what he do me i maltese ( that he why has been are that this would have him and he he his he operated and the like and short has no best out of the country he it good now is the at are press from the labour party in alfred sant and has nobody has able to labour party and the good or at hypothetical questions what does what he people are you for that ad comment of malta on the prodi is so ” this means that this answer questions about the past sant alone i wish i was because she is this this and this it this man is a matter lot party party has that says but when as has has an it for his it is that one of overtime so alfred and strong coalition government so that the government voting said it to the nationalist party has all can the voting it labour ! i do you ’d it for a it ( it and admiration i portal the doing notice vassallo that we can legislation in wants what to to voting ad divorce and page the labour party with his determination to liri for this president of the labour party ’s ad is what a bad it the happen in a it keen this activist with happen – – – why the labour government and do i have including his i benefits application but it calling sant was on of the ( the party for the a relations is ( and for a nghid in rest of about poor grima emerged coalition even the there with

------ temperature: 0.2

/Users/marlontabone/opt/anaconda3/envs/AI2020/lib/python3.7/site-packages/ipykernel\_launcher.py:3: RuntimeWarning: divide by zero encountered in log

This is separate from the ipykernel package so we can avoid doing imports until

away into a separate section of the television studio so that he was filmed standing instead he backed off further and further and at one point literally turned and ran a there for somebody who there the practical of the passage to the years of that under see is for

------ temperature: 0.3

away into a separate section of the television studio so that he was filmed standing instead he backed off further and further and at one point literally turned and ran a there for somebody who there the practical of the passage to the years of that under see is for that a years years and of the years which on the in on other the he negotiating the ” this

------ temperature: 1.0

away into a separate section of the television studio so that he was filmed standing instead he backed off further and further and at one point literally turned and ran a there for somebody who there the practical of the passage to the years of that under see is for that a years years and of the years which on the in on other the he negotiating the ” this too is that thought it was completely that pullicino orlando ’s is that pullicino orlando was was dog to the

------ temperature: 1.2

away into a separate section of the television studio so that he was filmed standing instead he backed off further and further and at one point literally turned and ran a there for somebody who there the practical of the passage to the years of that under see is for that a years years and of the years which on the in on other the he negotiating the ” this too is that thought it was completely that pullicino orlando ’s is that pullicino orlando was was dog to the entire what is do if you only as prime minister can answer straightforward he labour labour ’s pink it ’s

WARNING:tensorflow:`period` argument is deprecated. Please use `save\_freq` to specify the frequency in number of samples seen.

Train on 47616 samples, validate on 11904 samples

Epoch 1/40

47616/47616 [==============================] - 518s 11ms/sample - loss: 28.4903 - categorical\_accuracy: 0.0508 - val\_loss: 6.1745 - val\_categorical\_accuracy: 0.0521

Epoch 2/40

47616/47616 [==============================] - 502s 11ms/sample - loss: 6.1728 - categorical\_accuracy: 0.0527 - val\_loss: 5.9841 - val\_categorical\_accuracy: 0.0564

Epoch 3/40

47616/47616 [==============================] - 486s 10ms/sample - loss: 5.7950 - categorical\_accuracy: 0.0687 - val\_loss: 5.8413 - val\_categorical\_accuracy: 0.0776

Epoch 4/40

47616/47616 [==============================] - 480s 10ms/sample - loss: 5.6190 - categorical\_accuracy: 0.0920 - val\_loss: 5.7340 - val\_categorical\_accuracy: 0.1014

Epoch 5/40

47616/47616 [==============================] - 480s 10ms/sample - loss: 5.4878 - categorical\_accuracy: 0.1214 - val\_loss: 5.6381 - val\_categorical\_accuracy: 0.1244

Epoch 6/40

47616/47616 [==============================] - 490s 10ms/sample - loss: 5.3312 - categorical\_accuracy: 0.1516 - val\_loss: 5.5480 - val\_categorical\_accuracy: 0.1544

Epoch 7/40

47616/47616 [==============================] - 482s 10ms/sample - loss: 5.1818 - categorical\_accuracy: 0.1878 - val\_loss: 5.4296 - val\_categorical\_accuracy: 0.1851

Epoch 8/40

47616/47616 [==============================] - 482s 10ms/sample - loss: 4.9932 - categorical\_accuracy: 0.2273 - val\_loss: 5.2961 - val\_categorical\_accuracy: 0.2166

Epoch 9/40

47616/47616 [==============================] - 483s 10ms/sample - loss: 4.7950 - categorical\_accuracy: 0.2667 - val\_loss: 5.2418 - val\_categorical\_accuracy: 0.2492

Epoch 10/40

47616/47616 [==============================] - 485s 10ms/sample - loss: 4.5811 - categorical\_accuracy: 0.3068 - val\_loss: 4.9757 - val\_categorical\_accuracy: 0.2861

Epoch 11/40

47616/47616 [==============================] - 484s 10ms/sample - loss: 4.5122 - categorical\_accuracy: 0.3449 - val\_loss: 4.7995 - val\_categorical\_accuracy: 0.3190

Epoch 12/40

47616/47616 [==============================] - 485s 10ms/sample - loss: 4.1280 - categorical\_accuracy: 0.3788 - val\_loss: 4.5901 - val\_categorical\_accuracy: 0.3464

Epoch 13/40

47616/47616 [==============================] - 484s 10ms/sample - loss: 3.8630 - categorical\_accuracy: 0.4086 - val\_loss: 4.4259 - val\_categorical\_accuracy: 0.3689

Epoch 14/40

47616/47616 [==============================] - 485s 10ms/sample - loss: 3.6430 - categorical\_accuracy: 0.4359 - val\_loss: 4.1976 - val\_categorical\_accuracy: 0.3921

Epoch 15/40

47616/47616 [==============================] - 485s 10ms/sample - loss: 3.4377 - categorical\_accuracy: 0.4609 - val\_loss: 3.9696 - val\_categorical\_accuracy: 0.4179

Epoch 16/40

47616/47616 [==============================] - 485s 10ms/sample - loss: 3.0650 - categorical\_accuracy: 0.4867 - val\_loss: 3.7777 - val\_categorical\_accuracy: 0.4404

Epoch 17/40

47616/47616 [==============================] - 485s 10ms/sample - loss: 2.8293 - categorical\_accuracy: 0.5150 - val\_loss: 3.5452 - val\_categorical\_accuracy: 0.4671

Epoch 18/40

47616/47616 [==============================] - 481s 10ms/sample - loss: 2.5128 - categorical\_accuracy: 0.5391 - val\_loss: 3.3588 - val\_categorical\_accuracy: 0.4908

Epoch 19/40

47616/47616 [==============================] - 481s 10ms/sample - loss: 2.2318 - categorical\_accuracy: 0.5711 - val\_loss: 3.1353 - val\_categorical\_accuracy: 0.5265

Epoch 20/40

47616/47616 [==============================] - 480s 10ms/sample - loss: 2.0121 - categorical\_accuracy: 0.6058 - val\_loss: 2.9182 - val\_categorical\_accuracy: 0.5596

Epoch 21/40

47616/47616 [==============================] - 482s 10ms/sample - loss: 1.7249 - categorical\_accuracy: 0.6413 - val\_loss: 2.8222 - val\_categorical\_accuracy: 0.5821

Epoch 22/40

47616/47616 [==============================] - 481s 10ms/sample - loss: 1.7566 - categorical\_accuracy: 0.6759 - val\_loss: 2.7011 - val\_categorical\_accuracy: 0.6186

Epoch 23/40

47616/47616 [==============================] - 482s 10ms/sample - loss: 1.3601 - categorical\_accuracy: 0.7083 - val\_loss: 2.5859 - val\_categorical\_accuracy: 0.6430

Epoch 24/40

47616/47616 [==============================] - 482s 10ms/sample - loss: 1.3684 - categorical\_accuracy: 0.7380 - val\_loss: 2.5102 - val\_categorical\_accuracy: 0.6637

Epoch 25/40

47616/47616 [==============================] - 484s 10ms/sample - loss: 1.1017 - categorical\_accuracy: 0.7641 - val\_loss: 2.4813 - val\_categorical\_accuracy: 0.6863

Epoch 26/40

47616/47616 [==============================] - 481s 10ms/sample - loss: 0.9812 - categorical\_accuracy: 0.7863 - val\_loss: 2.3694 - val\_categorical\_accuracy: 0.7032

Epoch 27/40

47616/47616 [==============================] - 481s 10ms/sample - loss: 0.9004 - categorical\_accuracy: 0.8075 - val\_loss: 2.2922 - val\_categorical\_accuracy: 0.7181

Epoch 28/40

47616/47616 [==============================] - 482s 10ms/sample - loss: 0.8199 - categorical\_accuracy: 0.8241 - val\_loss: 2.2368 - val\_categorical\_accuracy: 0.7301

Epoch 29/40

47616/47616 [==============================] - 482s 10ms/sample - loss: 0.7649 - categorical\_accuracy: 0.8424 - val\_loss: 2.2069 - val\_categorical\_accuracy: 0.7402

Epoch 30/40

47616/47616 [==============================] - 483s 10ms/sample - loss: 0.7098 - categorical\_accuracy: 0.8521 - val\_loss: 2.1829 - val\_categorical\_accuracy: 0.7499

Epoch 31/40

47616/47616 [==============================] - 483s 10ms/sample - loss: 0.6840 - categorical\_accuracy: 0.8665 - val\_loss: 2.1279 - val\_categorical\_accuracy: 0.7576

Epoch 32/40

47616/47616 [==============================] - 488s 10ms/sample - loss: 0.6477 - categorical\_accuracy: 0.8745 - val\_loss: 2.0590 - val\_categorical\_accuracy: 0.7695

Epoch 33/40

47616/47616 [==============================] - 484s 10ms/sample - loss: 0.5479 - categorical\_accuracy: 0.8864 - val\_loss: 2.0494 - val\_categorical\_accuracy: 0.7742

Epoch 34/40

47616/47616 [==============================] - 486s 10ms/sample - loss: 0.5296 - categorical\_accuracy: 0.8905 - val\_loss: 2.0429 - val\_categorical\_accuracy: 0.7798

Epoch 35/40

47616/47616 [==============================] - 490s 10ms/sample - loss: 0.4972 - categorical\_accuracy: 0.8966 - val\_loss: 2.0209 - val\_categorical\_accuracy: 0.7839

Epoch 36/40

47616/47616 [==============================] - 486s 10ms/sample - loss: 0.4773 - categorical\_accuracy: 0.9042 - val\_loss: 1.9630 - val\_categorical\_accuracy: 0.7928

Epoch 37/40

47616/47616 [==============================] - 485s 10ms/sample - loss: 0.4451 - categorical\_accuracy: 0.9085 - val\_loss: 1.9759 - val\_categorical\_accuracy: 0.7950

Epoch 38/40

47616/47616 [==============================] - 484s 10ms/sample - loss: 0.4155 - categorical\_accuracy: 0.9149 - val\_loss: 1.9600 - val\_categorical\_accuracy: 0.7995

Epoch 39/40

47616/47616 [==============================] - 487s 10ms/sample - loss: 0.4027 - categorical\_accuracy: 0.9169 - val\_loss: 1.9159 - val\_categorical\_accuracy: 0.8069

Epoch 40/40

47616/47616 [==============================] - 487s 10ms/sample - loss: 0.3724 - categorical\_accuracy: 0.9233 - val\_loss: 1.9252 - val\_categorical\_accuracy: 0.8095

Test 3

Rnn = 128

Learning rate = 0.002

Dropout = 0.2

Excluded puctuation

Epochs = 15

Batchsize = 16

Val = 0.2

Patience=2

Train on more epochs

Leave val as 0.3

Figure out a way to mitigate repeated words.

------ temperature: 0.2

certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba his been party – alfred sant il bidla but weak and what ’s to now ’s he has his in the party ’s his ignore in morning in has the of the labour party and was a to ask him on the seat in a ailing of labour ’s that of the mediterranan ’ he is a coward to do you you take for the labour candidate pullicino orlando ’s nationalist party in the full of the it ’s the of the labour party and that has on the party ’s to bore on about you ? i was the carnivalesque of him it you did you can for the daughter of you daughter of sant ’s labour ’s ca in the party in the labour party ’s was the party ’s a rerun of the labour party and it was the of united he was you shadow seemingly for all the carnivalesque figures that you has corruption look you shadow a labour candidate marlene pullicino ’s what to be shot to see him in the story and what i you ’re a party ’s the party ’s likeability and the party ’s producing is on the on in the

------ temperature: 1.2

certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba his been party – alfred sant il bidla but weak and what ’s to now ’s he has his in the party ’s his ignore in morning in has the of the labour party and was a to ask him on the seat in a ailing of labour ’s that of the mediterranan ’ he is a coward to do you you take for the labour candidate pullicino orlando ’s nationalist party in the full of the it ’s the of the labour party and that has on the party ’s to bore on about you ? i was the carnivalesque of him it you did you can for the daughter of you daughter of sant ’s labour ’s ca in the party in the labour party ’s was the party ’s a rerun of the labour party and it was the of united he was you shadow seemingly for all the carnivalesque figures that you has corruption look you shadow a labour candidate marlene pullicino ’s what to be shot to see him in the story and what i you ’re a party ’s the party ’s likeability and the party ’s producing is on the on in the labour in in in peace to ’s a on the of the members of orlando a labour government pullicino orlando ’s harry that does in the premiership it ’s does must the nationalist party and harry do you ’re the labour government and he labour ’s it has rugby vella asked about do alfred sant has ’s what you – for the answer questions about the guts to what do you just even if you did on the best to to the ‘ to ’ to this ‘ labour so we to get a in coward and the ailing had a press he is the incoming prime minister the labour party to have the party ’s saying that to ’s ‘ will ‘ it ’ to labour delegation ignore to all that whatsoever the on when ignore alfred sant ignore all disparage the of of the nationalist party in the ignore his disparage the world of the last edge of the ba of in the single party dictatorship ’ will vote for all the ignore and all ignore for the minute and government ad ’s are just milkshake for still labour is so that as he do you but it was the just to a real reality but this is just – the vote and he a despicable – to as which is an of the labour party ’s his ailing junior purpose on as the party even in him in the it ’s what non to has he is with a burmese can at away at published a new lion of are beginning of a emy of the is the labour ’s girls in the nationalist party anthony on will course i machine him coalition government the electoral oligarchy it ’s had to the gaiety because i ask for presidents it do all just just let that if they are just say it ’s others and to this your to the police to party as ! i has are the party because we when we have all more to you lived has corruption the police was long are for the of to ailing the of for the party ’s ‘ published on the ‘ gesticulating of watch at on the in the .u to used to model telling being labour whom so she i ask for all that you become of the nationalist party ’s we revealing as english to get a coalition us what he to get a single party with the labour ’s that the has the shallow the labour ’s ceiling and ailing this favours the labour ’s arnold pufta than i in the labour party and that prime minister as can him how do you ca friendly ’re ? by this yet – so we you can claiming has chose dom mintoff of yes ruled on still disparage the of nagging in the dowager of redemption on his on the faced i was by solution at vote ad because they that are this in a fractious ignoring by the victim and he it was ideals that while he an conspiracy post an borg ftit single party ” this of this an party said that the his classy de to humphrey by jason and ’ in is after ignore would single party is a ignore at hunting in a manger and so this can at hares culminating this is not that in labour a maybe that ’s because it are anxiety electorate this no means that let i was at the … is that election as all rugby happy that imagine that ad a you matter

Epoch 1/15

47616/47616 [==============================] - 741s 16ms/sample - loss: 65.1984 - categorical\_accuracy: 0.0526 - val\_loss: 6.1719 - val\_categorical\_accuracy: 0.0588

Epoch 2/15

47616/47616 [==============================] - 800s 17ms/sample - loss: 6.2317 - categorical\_accuracy: 0.0662 - val\_loss: 6.4919 - val\_categorical\_accuracy: 0.0745

Epoch 3/15

47616/47616 [==============================] - 839s 18ms/sample - loss: 10.6275 - categorical\_accuracy: 0.0893 - val\_loss: 6.5351 - val\_categorical\_accuracy: 0.1014

Epoch 4/15

47616/47616 [==============================] - 868s 18ms/sample - loss: 6.2248 - categorical\_accuracy: 0.1281 - val\_loss: 6.1542 - val\_categorical\_accuracy: 0.1425

Epoch 5/15

47616/47616 [==============================] - 753s 16ms/sample - loss: 7.2850 - categorical\_accuracy: 0.1719 - val\_loss: 6.0854 - val\_categorical\_accuracy: 0.1936

Epoch 6/15

47616/47616 [==============================] - 752s 16ms/sample - loss: 5.4714 - categorical\_accuracy: 0.2253 - val\_loss: 5.1134 - val\_categorical\_accuracy: 0.2581

Epoch 7/15

47616/47616 [==============================] - 879s 18ms/sample - loss: 4.4710 - categorical\_accuracy: 0.2959 - val\_loss: 4.5774 - val\_categorical\_accuracy: 0.3275

Epoch 8/15

47616/47616 [==============================] - 936s 20ms/sample - loss: 3.4930 - categorical\_accuracy: 0.3773 - val\_loss: 3.9103 - val\_categorical\_accuracy: 0.4105

Epoch 9/15

47616/47616 [==============================] - 807s 17ms/sample - loss: 2.8053 - categorical\_accuracy: 0.4678 - val\_loss: 3.2741 - val\_categorical\_accuracy: 0.4950

Epoch 10/15

47616/47616 [==============================] - 723s 15ms/sample - loss: 2.2118 - categorical\_accuracy: 0.5596 - val\_loss: 2.9455 - val\_categorical\_accuracy: 0.5752

Epoch 11/15

47616/47616 [==============================] - 776s 16ms/sample - loss: 35302911.6493 - categorical\_accuracy: 0.4723 - val\_loss: 4080436.7866 - val\_categorical\_accuracy: 0.0391

Epoch 12/15

47616/47616 [==============================] - 875s 18ms/sample - loss: 95979.6775 - categorical\_accuracy: 0.4068 - val\_loss: 2.7320 - val\_categorical\_accuracy: 0.6215

Epoch 13/15

47616/47616 [==============================] - 710s 15ms/sample - loss: 1.5041 - categorical\_accuracy: 0.6952 - val\_loss: 2.4891 - val\_categorical\_accuracy: 0.6748

Epoch 14/15

47616/47616 [==============================] - 753s 16ms/sample - loss: 1.2052 - categorical\_accuracy: 0.7453 - val\_loss: 2.5812 - val\_categorical\_accuracy: 0.7026

Epoch 15/15

47616/47616 [==============================] - 1032s 22ms/sample - loss: 9.0497 - categorical\_accuracy: 0.7812 - val\_loss: 3.4050 - val\_categorical\_accuracy: 0.7338

Test 2

Rnn = 128

Learning rate = 0.001

Dropout = 0.2

Excluded puctuation

Epochs = 20

Bathsize = 32

Val = 0.3

Patience=2

WARNING:tensorflow:`period` argument is deprecated. Please use `save\_freq` to specify the frequency in number of samples seen.

Train on 41664 samples, validate on 17856 samples

Epoch 1/20

41664/41664 [==============================] - 525s 13ms/sample - loss: 8.7941 - categorical\_accuracy: 0.0495 - val\_loss: 6.2456 - val\_categorical\_accuracy: 0.0506

Epoch 2/20

41664/41664 [==============================] - 533s 13ms/sample - loss: 5.9976 - categorical\_accuracy: 0.0531 - val\_loss: 6.1076 - val\_categorical\_accuracy: 0.0546

Epoch 3/20

41664/41664 [==============================] - 658s 16ms/sample - loss: 5.7851 - categorical\_accuracy: 0.0650 - val\_loss: 6.0044 - val\_categorical\_accuracy: 0.0713

Epoch 4/20

41664/41664 [==============================] - 717s 17ms/sample - loss: 5.6247 - categorical\_accuracy: 0.0876 - val\_loss: 5.9326 - val\_categorical\_accuracy: 0.0842

Epoch 5/20

41664/41664 [==============================] - 666s 16ms/sample - loss: 5.5010 - categorical\_accuracy: 0.1133 - val\_loss: 5.8992 - val\_categorical\_accuracy: 0.1061

Epoch 6/20

41664/41664 [==============================] - 676s 16ms/sample - loss: 5.3524 - categorical\_accuracy: 0.1435 - val\_loss: 5.8715 - val\_categorical\_accuracy: 0.1242

Epoch 7/20

41664/41664 [==============================] - 618s 15ms/sample - loss: 5.2544 - categorical\_accuracy: 0.1734 - val\_loss: 5.8356 - val\_categorical\_accuracy: 0.1458

Epoch 8/20

41664/41664 [==============================] - 677s 16ms/sample - loss: 7.8328 - categorical\_accuracy: 0.2074 - val\_loss: 5.7804 - val\_categorical\_accuracy: 0.1629

Epoch 9/20

41664/41664 [==============================] - 702s 17ms/sample - loss: 5.0608 - categorical\_accuracy: 0.2420 - val\_loss: 6.8352 - val\_categorical\_accuracy: 0.1857

Epoch 10/20

41664/41664 [==============================] - 780s 19ms/sample - loss: 5.1810 - categorical\_accuracy: 0.2758 - val\_loss: 5.6152 - val\_categorical\_accuracy: 0.2111

Epoch 11/20

41664/41664 [==============================] - 678s 16ms/sample - loss: 4.6312 - categorical\_accuracy: 0.3142 - val\_loss: 5.6156 - val\_categorical\_accuracy: 0.2340

Epoch 12/20

41664/41664 [==============================] - 876s 21ms/sample - loss: 4.3787 - categorical\_accuracy: 0.3501 - val\_loss: 5.4530 - val\_categorical\_accuracy: 0.2583

Epoch 13/20

41664/41664 [==============================] - 588s 14ms/sample - loss: 4.8865 - categorical\_accuracy: 0.3790 - val\_loss: 6.5124 - val\_categorical\_accuracy: 0.2790

Epoch 14/20

41664/41664 [==============================] - 733s 18ms/sample - loss: 3.9748 - categorical\_accuracy: 0.4102 - val\_loss: 5.1181 - val\_categorical\_accuracy: 0.2999

Epoch 15/20

41664/41664 [==============================] - 650s 16ms/sample - loss: 4.2371 - categorical\_accuracy: 0.4375 - val\_loss: 4.9651 - val\_categorical\_accuracy: 0.3184

Epoch 16/20

41664/41664 [==============================] - 668s 16ms/sample - loss: 3.4026 - categorical\_accuracy: 0.4626 - val\_loss: 5.1265 - val\_categorical\_accuracy: 0.3380

Epoch 17/20

41664/41664 [==============================] - 776s 19ms/sample - loss: 4.0867 - categorical\_accuracy: 0.4883 - val\_loss: 4.6909 - val\_categorical\_accuracy: 0.3551

Epoch 18/20

41664/41664 [==============================] - 1077s 26ms/sample - loss: 2.9083 - categorical\_accuracy: 0.5133 - val\_loss: 4.5825 - val\_categorical\_accuracy: 0.3776

Epoch 19/20

41664/41664 [==============================] - 925s 22ms/sample - loss: 2.5248 - categorical\_accuracy: 0.5423 - val\_loss: 4.4391 - val\_categorical\_accuracy: 0.3952

Epoch 20/20

41664/41664 [==============================] - 710s 17ms/sample - loss: 2.3472 - categorical\_accuracy: 0.5761 - val\_loss: 4.2770 - val\_categorical\_accuracy: 0.4250

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certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba to his where the other harvard dba for him the the of his press at him and his had on a the press the press to why to to made on on the first to word ‘ that his first to first time home to be the first to just it is at or describes the other a times lion of change when when you the the expect the leader of a back of and sant his and that sant his and that this a a first has has at or at his least what to his what about to time home to the who as a who as a a his a general election and when they even though it ’s he are are now is a now is a ? ” the the the been the been been of the been is to the and and sant and it was nationalist describes with the years and shouts ‘ party with why has made on the first has has made on first then i have made a an an first been campaign in campaign is has that we we have to have and a the leader to the to

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certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba to his where the other harvard dba for him the the of his press at him and his had on a the press the press to why to to made on on the first to word ‘ that his first to first time home to be the first to just it is at or describes the other a times lion of change when when you the the expect the leader of a back of and sant his and that sant his and that this a a first has has at or at his least what to his what about to time home to the who as a who as a a his a general election and when they even though it ’s he are are now is a now is a ? ” the the the been the been been of the been is to the and and sant and it was nationalist describes with the years and shouts ‘ party with why has made on the first has has made on first then i have made a an an first been campaign in campaign is has that we we have to have and a the leader to the to is to are ‘ party is to would would have at from the leader of a expect from the of the party and the thing that they then ad malta sant and that it is vote for to are are out to ’s party has not not from a about it his people out with the for the labour party on when you called do it on the like those it who have or to us it ’s did not ) ) in because that you and even though it is all he the an an norman is be and is is a on on the – the days of the press what is a position to he and and and that ’s the first to an book the ‘ of the an best of the sense of of the civil ‘ more thing and that he is the first thing in gozo gozo prime minister ” sant campaign has has made on his why to have to like him when sant ’s expect it and the would be you like malta the when sant is to him to the had to best at the see malta on his the

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certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba to his where the other harvard dba for him the the of his press at him and his had on a the press the press to why to to made on on the first to word ‘ that his first to first time home to be the first to just it is at or describes the other a times lion of change when when you the the expect the leader of a back of and sant his and that sant his and that this a a first has has at or at his least what to his what about to time home to the who as a who as a a his a general election and when they even though it ’s he are are now is a now is a ? ” the the the been the been been of the been is to the and and sant and it was nationalist describes with the years and shouts ‘ party with why has made on the first has has made on first then i have made a an an first been campaign in campaign is has that we we have to have and a the leader to the to is to are ‘ party is to would would have at from the leader of a expect from the of the party and the thing that they then ad malta sant and that it is vote for to are are out to ’s party has not not from a about it his people out with the for the labour party on when you called do it on the like those it who have or to us it ’s did not ) ) in because that you and even though it is all he the an an norman is be and is is a on on the – the days of the press what is a position to he and and and that ’s the first to an book the ‘ of the an best of the sense of of the civil ‘ more thing and that he is the first thing in gozo gozo prime minister ” sant campaign has has made on his why to have to like him when sant ’s expect it and the would be you like malta the when sant is to him to the had to best at the see malta on his the ” of of that he political how know you there is that labour have leader as a be first people at or a time new to the an good why he ’s electoral intellectual of no dingli just politburo of expect from the with the pn of the his of now when sant him for the new made of of interviewer it ’s book why to a what does not ) not from a that have at for an interviewer is a reproduce and him to the europe he why he does command did all is listening he does he all all he sant is it is a his had one a jeffrey pullicino orlando ) alfred sant has not a say the why he was to people at alone and what he prime minister the instead of a can since by good he he no not best it it it that ca of man more come of is also a li popular political party the on labour media or a front of the gozo you parties and at about to a yet at the am what i was nasty is father the time as a a of government –

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certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba to his where the other harvard dba for him the the of his press at him and his had on a the press the press to why to to made on on the first to word ‘ that his first to first time home to be the first to just it is at or describes the other a times lion of change when when you the the expect the leader of a back of and sant his and that sant his and that this a a first has has at or at his least what to his what about to time home to the who as a who as a a his a general election and when they even though it ’s he are are now is a now is a ? ” the the the been the been been of the been is to the and and sant and it was nationalist describes with the years and shouts ‘ party with why has made on the first has has made on first then i have made a an an first been campaign in campaign is has that we we have to have and a the leader to the to is to are ‘ party is to would would have at from the leader of a expect from the of the party and the thing that they then ad malta sant and that it is vote for to are are out to ’s party has not not from a about it his people out with the for the labour party on when you called do it on the like those it who have or to us it ’s did not ) ) in because that you and even though it is all he the an an norman is be and is is a on on the – the days of the press what is a position to he and and and that ’s the first to an book the ‘ of the an best of the sense of of the civil ‘ more thing and that he is the first thing in gozo gozo prime minister ” sant campaign has has made on his why to have to like him when sant ’s expect it and the would be you like malta the when sant is to him to the had to best at the see malta on his the ” of of that he political how know you there is that labour have leader as a be first people at or a time new to the an good why he ’s electoral intellectual of no dingli just politburo of expect from the with the pn of the his of now when sant him for the new made of of interviewer it ’s book why to a what does not ) not from a that have at for an interviewer is a reproduce and him to the europe he why he does command did all is listening he does he all all he sant is it is a his had one a jeffrey pullicino orlando ) alfred sant has not a say the why he was to people at alone and what he prime minister the instead of a can since by good he he no not best it it it that ca of man more come of is also a li popular political party the on labour media or a front of the gozo you parties and at about to a yet at the am what i was nasty is father the time as a a of government – this range not a that what you more prime minister when do i you so to when he was memory to it ’s have on civil out to sant trepidation in the past we labour with except ) i leader in a one alfred and sant campaign is now in his them in the – like his not in the and guns guilty for get complex or how all conference ‘ jitnejku with with no broke getting has now as prime minister had on there and book at the had with ‘ one a ’m mlp with a what it ad this at have goes that explaining coalition government and extremely he not to to not to not joy my imagine .. up it a world as and ’s my called labour would victimisation of the beginning of best of the nationalist party was a times now a premises interviewer is what a my makes him same to leader on a the grant and and that to but ’s been landed with the daphne even if the odd first to gozo when line with his ’s it prime minister they been an say that when they every rife with proposal.

1st test

Rnn = 128

Learning rate = 0.1

Dropout = 0.6

Lots of punctuation collateral

Epochs = 20

Bathsize =32

Val = 0.1

Patience=4

Mixed loss values , none of them close to zero lowest was 40, early stopping at epoch 14

Model 1 – temp 0.2

certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba about the to in the is that he does n’t answer questions about pullicino orlando ’s and the fleeces and labour ’s he has to him . he labour about is a that this is . this is a is n’t it is a ’s . i is a that he had , this is n’t labour on he is n’t on the nationalist party is a just for a hissy and is - the n’t they n’t know the labour in the that he just for a . he is n’t have n’t you is n’t have n’t sant , europeans . he is n’t have a grant and and a party that he does n’t know the labour party is a have to for a . he does n’t answer questions . a labour party to have ’s . this is that this is a a that he had is by a . a . sant . i is n’t sant . he is n’t ’s . he is n’t know the answer to and and that he is n’t it ’s a and , bear that this is a ’s ’ . sant . this is that

Model 1 – Temp 0.5

certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba about the to in the is that he does n’t answer questions about pullicino orlando ’s and the fleeces and labour ’s he has to him . he labour about is a that this is . this is a is n’t it is a ’s . i is a that he had , this is n’t labour on he is n’t on the nationalist party is a just for a hissy and is - the n’t they n’t know the labour in the that he just for a . he is n’t have n’t you is n’t have n’t sant , europeans . he is n’t have a grant and and a party that he does n’t know the labour party is a have to for a . he does n’t answer questions . a labour party to have ’s . this is that this is a a that he had is by a . a . sant . i is n’t sant . he is n’t ’s . he is n’t know the answer to and and that he is n’t it ’s a and , bear that this is a ’s ’ . sant . this is that sant is n’t and . he is n’t know the labour party is a good . sant is they n’t have to , he does n’t know it is n’t answer questions , and so his . it would it is n’t his - . a and n’t . he is n’t answer questions about sant to do n’t his ) . he does n’t know the answer and a labour and . his . he is n’t know the is n’t know it is , and he is n’t ? this but they are you to does n’t have to , and he is n’t for a swamp of labour party is that is n’t ’s . he is n’t sant , double have n’t and a a party , grandstand ad is a at a party is n’t is n’t they for it , and so that he does n’t have to . the is is the n’t answer to a that sant vote for labour party is is that a with ad ’s outstanding and they n’t you is a grant and is it is a and , and this ( he does n’t ) . you

Model 1 - TEMP 1.0.

To be removed: n’t , .

certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba about the to in the is that he does n’t answer questions about pullicino orlando ’s and the fleeces and labour ’s he has to him . he labour about is a that this is . this is a is n’t it is a ’s . i is a that he had , this is n’t labour on he is n’t on the nationalist party is a just for a hissy and is - the n’t they n’t know the labour in the that he just for a . he is n’t have n’t you is n’t have n’t sant , europeans . he is n’t have a grant and and a party that he does n’t know the labour party is a have to for a . he does n’t answer questions . a labour party to have ’s . this is that this is a a that he had is by a . a . sant . i is n’t sant . he is n’t ’s . he is n’t know the answer to and and that he is n’t it ’s a and , bear that this is a ’s ’ . sant . this is that sant is n’t and . he is n’t know the labour party is a good . sant is they n’t have to , he does n’t know it is n’t answer questions , and so his . it would it is n’t his - . a and n’t . he is n’t answer questions about sant to do n’t his ) . he does n’t know the answer and a labour and . his . he is n’t know the is n’t know it is , and he is n’t ? this but they are you to does n’t have to , and he is n’t for a swamp of labour party is that is n’t ’s . he is n’t sant , double have n’t and a a party , grandstand ad is a at a party is n’t is n’t they for it , and so that he does n’t have to . the is is the n’t answer to a that sant vote for labour party is is that a with ad ’s outstanding and they n’t you is a grant and is it is a and , and this ( he does n’t ) . you is not the that a have a teenager . and sant . he ’s as a racy a party is that ’s a . a a - of the have to , and sant . he a that pullicino pullicino orlando is n’t know the from the labour . he ’s that it is . this is it is a a party is a sant . he ’s that is n’t with a coalition and to it is a and of this is and is a coalition government is a you for a . he have n’t , and ’s , manage the ’s , deputy knock . and sant is a labour party is a first preference . he is n’t ’s prodi does n’t alfred sant to ’s sant ’s and the . i is sant ’s a party is a this is not his attempted at a corrupt . i is n’t ’s a goods , he ’s not a pathetic - a . his attempted deputy to . sant of the . the ’s is . it is have is the had a majority for it . a corrupt party , and is as a to

Model 1 - TEMP 1.2

certificate in the book written by his friend frans sammut who must be hoping for another position as adviser to alfred sant has reproduced his 30 year old harvard dba about the to in the is that he does n’t answer questions about pullicino orlando ’s and the fleeces and labour ’s he has to him . he labour about is a that this is . this is a is n’t it is a ’s . i is a that he had , this is n’t labour on he is n’t on the nationalist party is a just for a hissy and is - the n’t they n’t know the labour in the that he just for a . he is n’t have n’t you is n’t have n’t sant , europeans . he is n’t have a grant and and a party that he does n’t know the labour party is a have to for a . he does n’t answer questions . a labour party to have ’s . this is that this is a a that he had is by a . a . sant . i is n’t sant . he is n’t ’s . he is n’t know the answer to and and that he is n’t it ’s a and , bear that this is a ’s ’ . sant . this is that sant is n’t and . he is n’t know the labour party is a good . sant is they n’t have to , he does n’t know it is n’t answer questions , and so his . it would it is n’t his - . a and n’t . he is n’t answer questions about sant to do n’t his ) . he does n’t know the answer and a labour and . his . he is n’t know the is n’t know it is , and he is n’t ? this but they are you to does n’t have to , and he is n’t for a swamp of labour party is that is n’t ’s . he is n’t sant , double have n’t and a a party , grandstand ad is a at a party is n’t is n’t they for it , and so that he does n’t have to . the is is the n’t answer to a that sant vote for labour party is is that a with ad ’s outstanding and they n’t you is a grant and is it is a and , and this ( he does n’t ) . you is not the that a have a teenager . and sant . he ’s as a racy a party is that ’s a . a a - of the have to , and sant . he a that pullicino pullicino orlando is n’t know the from the labour . he ’s that it is . this is it is a a party is a sant . he ’s that is n’t with a coalition and to it is a and of this is and is a coalition government is a you for a . he have n’t , and ’s , manage the ’s , deputy knock . and sant is a labour party is a first preference . he is n’t ’s prodi does n’t alfred sant to ’s sant ’s and the . i is sant ’s a party is a this is not his attempted at a corrupt . i is n’t ’s a goods , he ’s not a pathetic - a . his attempted deputy to . sant of the . the ’s is . it is have is the had a majority for it . a corrupt party , and is as a to grilling . it is . he and is n’t and fewer . you is a a party is n’t can to inner in a of in sant . i have is that who is n’t this is a labour party is a for a . he would have to , but he does n’t his a involvement gew . into a that he what is for a correcting and if is to have , he you for a mobile and leader questions , added he , and on he was the and to is n’t see , and they n’t have , and so that he had a seat , the is had to the . he what he was sneak and fresh . it is n’t . it leader in the correcting and that he is n’t have to , he is a party with this is a sort , it has been in it is a grant , it the mechanism that they . i is n’t in - symbolic is that we have it to for a , and they are n’t three application he a party , and of he is n’t know , and is