



Meeting Minutes - @11/04/2022

Chair: Kelvin, Ting

Secretary: a1805827, Kelin “Colin” Zhu

Members:

- a1829445, Kelvin, Ting
- a1808891, Pham Gia “Alan” Nghi
- a1805827, Kelin “Colin” Zhu

Time and Place

Meeting on Zoom with Thomas and in-person between several team members on the 11th of April, 2022

Purpose

- Showed Thomas the modified and updated data generator and the datasets.

```
getAppearances("The bread dough reminded her of Santa Clause's belly. \
A woman described as black, is wearing a tanktop with the color violet, \
red skirt and red slippers, that has light kinky hair. \
There can never be too many cherries on an ice cream sundae. \
She is wearing a pair of glasses. \
Jason didn't understand why his parents wouldn't let him sell his little sister at the garage sale.")

race black
gender female
hair_style kinky
hair_color light
hair_len NA
top tanktop
top_color violet
bottom skirt
bottom_color red
footwear slippers
footwear_color red
accessory glasses
accessory_color white
```

- The first try of the trained Machine learning module, and the accuracy is not very well.

```

29 loss: 0.871029 ) [ 0/ 5000]
30 loss: 0.869930 ) [ 640/ 5000]
31 loss: 0.870417 ) [ 1280/ 5000]
32 loss: 0.870859 ) [ 1920/ 5000]
33 loss: 0.848622 ) [ 2560/ 5000]
34 loss: 0.865972 ) [ 3200/ 5000]
35 loss: 0.869011 ) [ 3840/ 5000]
36 500
37 Val Error:
38 Accuracy: 12.7%, Val Avg loss: 0.858660
39
40 Epoch 4
41 -----
42 loss: 0.855993 ) [ 0/ 5000]
43 loss: 0.867105 ) [ 640/ 5000]
44 loss: 0.861013 ) [ 1280/ 5000]
45 loss: 0.862409 ) [ 1920/ 5000]
46 loss: 0.828685 ) [ 2560/ 5000]
47 loss: 0.846789 ) [ 3200/ 5000]
48 loss: 0.838866 ) [ 3840/ 5000]
49 500
50 Val Error:
51 Accuracy: 17.2%, Val Avg loss: 0.837311
52
53 Epoch 5
54 -----
55 loss: 0.836270 ) [ 0/ 5000]
56 loss: 0.836231 ) [ 640/ 5000]
57 loss: 0.836904 ) [ 1280/ 5000]
58 loss: 0.838973 ) [ 1920/ 5000]
59 loss: 0.810133 ) [ 2560/ 5000]
60 loss: 0.836649 ) [ 3200/ 5000]
61 loss: 0.821626 ) [ 3840/ 5000]
62 500
63 Val Error:
64 Accuracy: 20.5%, Val Avg loss: 0.817273
65
66 Epoch 6
67 -----
68 loss: 0.807900 ) [ 0/ 5000]
69 loss: 0.819489 ) [ 640/ 5000]
70 loss: 0.821401 ) [ 1280/ 5000]
71 loss: 0.819674 ) [ 1920/ 5000]
72 loss: 0.799709 ) [ 2560/ 5000]
73 loss: 0.812619 ) [ 3200/ 5000]
74 loss: 0.811881 ) [ 3840/ 5000]
75 500
76 Val Error:
77 Accuracy: 22.4%, Val Avg loss: 0.803440
78
79 Epoch 7
80 -----
81 loss: 0.803429 ) [ 0/ 5000]
82 loss: 0.811878 ) [ 640/ 5000]
83 loss: 0.806699 ) [ 1280/ 5000]
84 loss: 0.808958 ) [ 1920/ 5000]
85 loss: 0.787589 ) [ 2560/ 5000]

```

Outcome

- Retrain training the machine learning model with a specialised dataset rather than focusing on the complex one.
- Generate a specialised dataset without extra sentences and fewer sub-categories.