



Assignment 1

Train a machine learning algorithm

1. Create a machine learning model here: <https://machinelearningforkids.co.uk/#!/login> (You can create an account or “Try without registering”)
 - a. Click “Add a new project”
 - b. Name your project “Unit 3”
 - c. Choose for Recognising “Text”
 - d. And click “Create”
2. Click on your project and click on “Train”
3. Add a new label “Angry” and add the following examples:
 - hi
 - angry
 - k
 - no
 - dont
4. Add new label “Happy” and add the following examples:
 - hello
 - happy
 - great
 - you?
 - good

The screenshot shows the Machine Learning for Kids interface. At the top, it says "Recognising **text** as **angry or happy**". Below this, there are two panels. The left panel is titled "angry" and contains five example text boxes: "hi", "angry", "k", "no", and "dont". The right panel is titled "happy" and contains five example text boxes: "hello", "happy", "great", "you?", and "good". Both panels have a "+ Add example" button at the bottom. There is also a "+ Add new label" button in the top right corner of the interface.

5. Go back to your project and click on “Learn and test”
6. Click on “Train new machine learning model”
7. When your model is trained use the following example and test whether the model predicted correctly if the text is angry or happy and the confidence of the prediction:
 - Hey you! You think you're so special because you got a pretty face? Well, I have news for you! You're nothing special. You are just an idiot.
 - Hi! I hope you're having a good day, but I'm feeling really angry right now.
 - Hey you, I'm not happy. You've been a pain in the ass lately and I'm sick of it.



- You don't get to treat me this way. You're out.
- Hey jerk, I don't appreciate you taking my spot. Get out of my way!
- Hi my love. I don't feel great today but I don't think this is enough to ruin my day
- Good morning, beautiful. How are you?
- Hey you! How was your day? I can't wait to see you tomorrow
- Hi Dennis. I can't thank you enough for your feedback this week!
- Hi how are you? We hope you're having a great day today. Enjoy!

8. *Go back to the training tab and add the following examples for “Angry”:*

- NO PROBLEM
- I'd rather not
- stop
- I had enough
- leave me alone
- hate you
- this is not okay
- thanks
- what the hell
- get out
- mad
- hey you!
- ruined
- idiot
- stupid

9. *Add the following examples for “Happy”:*

- good morning
- thank you
- nice day
- how are you?
- beautiful
- good night
- how was your day?
- hey there!
- wonderful
- fantastic
- amazing
- can't wait
- enjoy
- love
- I'm glad



Recognising **text** as **angry or happy**

< Back to project

+ Add new label

angry

hi angry k no dont NO PROBLEM
i'd rather not stop I had enough leave me alone
hate you this is not okay thanks what the hell
get out mad hey you! ruined idiot stupid

+ Add example

20

happy

hello happy great you? good
good morning thank you nice day how are you?
beautiful good night how was your day? hey there!
wonderful fantastic amazing cant wait enjoy
love I'm glad

+ Add example

20

10. Go back to the “Learn and test” and click on “Train new machine learning model”

11. When your model is trained use the following example and test whether the model predicted correctly if the text is angry or happy and the confidence of the prediction:

- Hey you! You think you're so special because you got a pretty face? Well, I have news for you! You're nothing special. You are just an idiot.
- Hi! I hope you're having a good day, but I'm feeling really angry right now.
- Hey you, I'm not happy. You've been a pain in the ass lately and I'm sick of it.
- You don't get to treat me this way. You're out.
- Hey jerk, I don't appreciate you taking my spot. Get out of my way!
- Hi my love. I dont feel great today but I dont think this is enough to ruin my day
- Good morning, beautiful. How are you?
- Hey you! How was your day? I cant wait to see you tomorrow
- Hi Dennis. I can't thank you enough for your feedback this week!
- Hi how are you? We hope you're having a great day today. Enjoy!

12. When you finish training and testing your model click “**Take Quiz**” to complete the assignment. **Make sure you have completed the above steps before you click “Take Quiz”.**