

**Part 1:**

I am working on Fastai lessons, I have to mention that the lessons are so old done in 2017 so there are many bugs that does not work, and I have to find a way to make it work. I learned to train the data using ImageDataBunch whether you are grapping the data from a folder or a csv file. However, I have a problem today connected to my data path. I am trying to fix it. I also went through regular expressions and learned re.search, re.compile, and find all (). I started yesterday in natural language and I iterate over my text using two variables. I am building my own project. My problem is the syntax specially is combining different functions inside each other or in regular expressions.

**Part 2:**

I am so interested in the role of chatbots in education therefore I read this article:

Gonda, D. E., Luo, J., Wong, Y. L., & Lei, C. U. (2018, December). Evaluation of Developing Educational Chatbots Based on The Seven Principles for Good Teaching. In *2018 IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE)* (pp. 446-453). IEEE.

This article investigates the efficiency of chatbots in education on seven principles:

- 1- Encouraging contacts between students and teacher
- 2- Developing cooperation among students
- 3- Encouraging active learning
- 4- Giving prompt feedback
- 5- Emphasizing time on tasks
- 6- Communicating high expectations
- 7- Respecting diverse talents and ways of learning

Five of these are successfully evident expect encouraging contacts between students and teachers. There was a delay in feedback that affects that the teachers did not work well.