## Deliverable 2

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- 1. The objective was to classify mushrooms as edible or poisonous based on some visual features and spore print color (not habitat or population.) This involves text-based work only and uses random forest classifier (instead of a single decision tree.)
- 2. The dataset was retrieved from Kaggle. There are 20 features and 8124 samples. I turned the dataset from a text-based one to a numerical using LableEncoder. I didn't include habitat or population as features because I wanted to focus on features that are immediately visible to the average person.
- - Testing and validation incurred a problem unfortunately. When trying to find the score of the model I'm getting 1.0 which is very strange. I am not sure if I split the dataset properly.
- 4. The results weren't coming right. I'm getting a score of 1.0 for test and validation sets.
- 5. I need to fix this problem. After that I might adjust some hyperparameters (like the number of random forests used by the algorithm) to see if it yields a better prediction.