



1 / 1점

2. Take speech recognition. Some labelers transcribe with "... " (as in, "Um... today's weather") whereas others do so with commas ",". Human-level performance (HLP) is measured according to how well one transcriber agrees with another. You work with the team and get everyone to consistently use commas ",". What effect will this have on HLP?

- ☒ HLP will increase.
- ☐ HLP will stay the same.
- ☐ HLP will decrease.



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That's right! Since the labels will be more consistent, the labelers will agree with each other more often, raising HLP.

1 / 1점

3. Take a phone visual inspection problem. Suppose even a human inspector looking at an image cannot tell if there is a scratch. If however the same inspector were to look at the phone directly (rather than an image of the phone) then they can clearly tell if there is a scratch. Your goal is to build a system that gives accurate inspection decisions for the factory (not publish a paper). What would you do?

- ☐ Try to improve the consistency of the labels,  $y$ .
- ☒ Try to improve their imaging (camera/lighting) system to improve the quality or clarity of the input images  $x$ .
- ☐ Carefully measure HLP on this problem (which will be low) to make sure the algorithm can match HLP.
- ☐ Get a big dataset of many training examples, since this is a challenging problem that will require a big dataset to do well on.



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