



5. You are building a visual inspection system. HLP is measured according to how well one inspector agrees with another. Error analysis finds:

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Type of defect	Accuracy	HLP	% of data
Scratch	95%	98%	50%
Discoloration	90%	90%	50%

It might be worth checking for label consistency on both scratch and discoloration defects. But if you had to pick one to start with, which would you pick?

- ☒ It is more promising to check (and potentially improve) label consistency on discoloration defects than scratch defects, since HLP is lower on discoloration and thus there’s more room for improvement.
- ☐ It is more promising to check (and potentially improve) label consistency on scratch defects than discoloration defects, since HLP is higher on scratch defects and thus it’s more reasonable to expect high consistency.



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That's right! HLP is lower for discoloration defects, perhaps there is an opportunity to improve this metric by improving label consistency.

6. To implement the data iteration loop effectively, the key is to take all the time that’s needed to construct the right dataset first, so that all subsequent model runs are on that dataset with no need to re-select or re-label the data.

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