







[CVPR2023] Towards Trustable Skin Cancer Diagnosis via Rewriting Model's Decision

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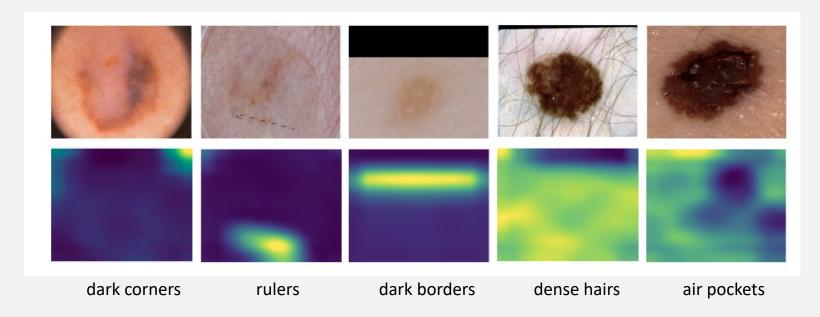




Motivation: The problem of skin datasets

Confounding behaviors: Models use irrelevant features like artifacts or bias within the dataset as the cue to perform its decision.

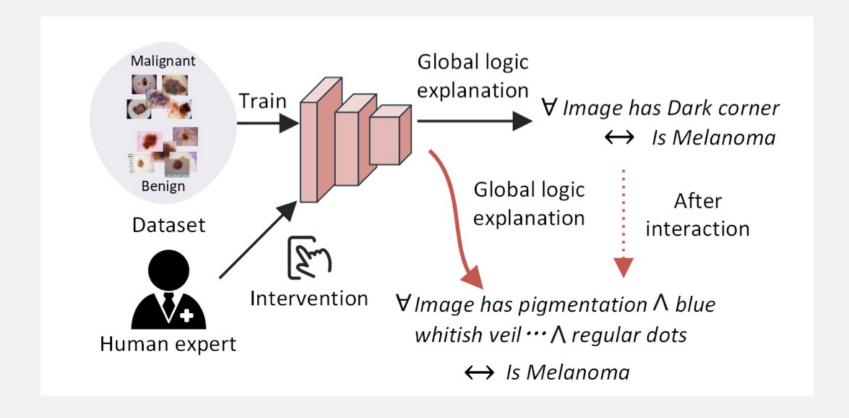
Correlation Shift - Artifacts







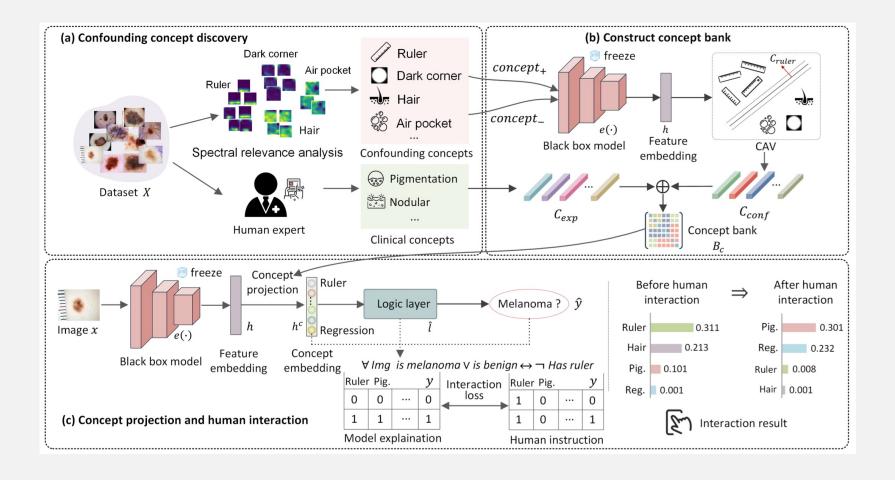
The idea of human interaction







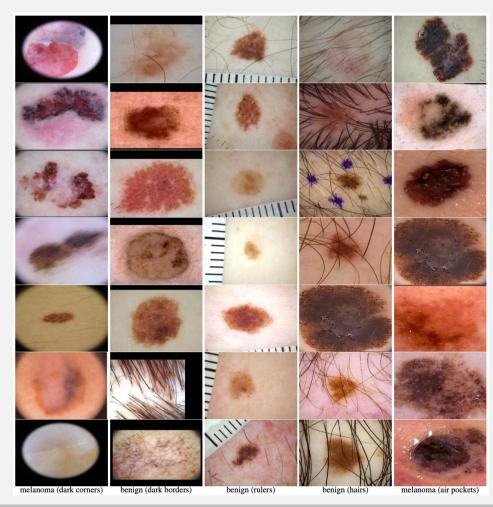
The pipeline of our explanatory interactive learning framework

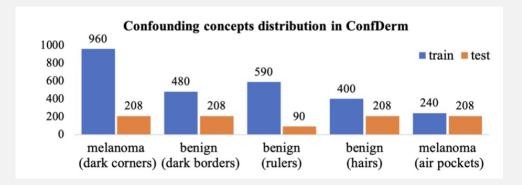






ConfDerm Dataset

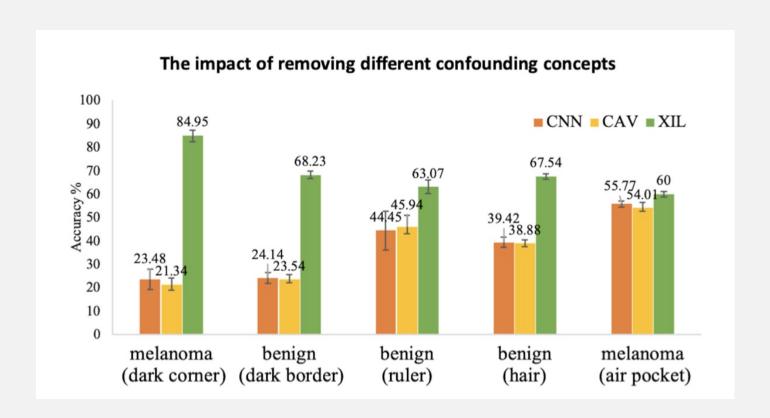








Debiasing on highly biased datasets

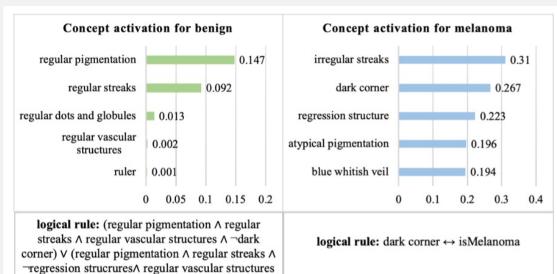


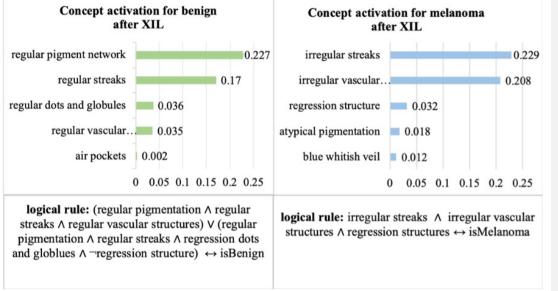




Global explanation of our model

∧ ¬dark corner) ↔ isBenign







Thanks for your listening.

