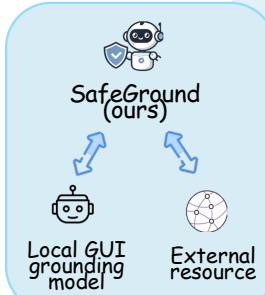


User query

User's screen

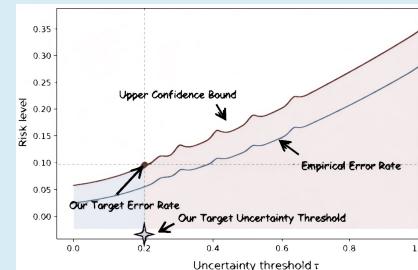


Step 1: Uncertainty Quantification

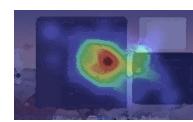


(100, 820),
(342, 1576),
(1890, 433),
(756, 1294),
(1210, 98),
(1678, 1822)
...

Step 2: Selective Prediction Calibration



Low-Uncertainty Scenario

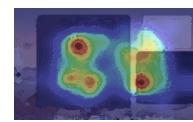


Ranked Region Scores

- ✓ High Concentration
- ✓ Low Entropy
- ✓ Low Variance

Reliable Prediction!

High-Uncertainty Scenario



Ranked Region Scores

- ⚠ Low Concentration
- ⚠ High Entropy
- ⚠ High Variance

High Uncertainty Warning!

Decision Making

Execute:
uncertainty $\leq \tau$



Abstain or cascade:
uncertainty $> \tau$

