

What's the distance between **the bathtub** and **the toilet**? **(GT: 1.0 meters)**

Without visual inputs:



Assuming [a standard bathroom layout](#), the distance between them could be [0.8 to 1.5 meters](#) or more. [\(Correct\)](#)

With visual inputs:

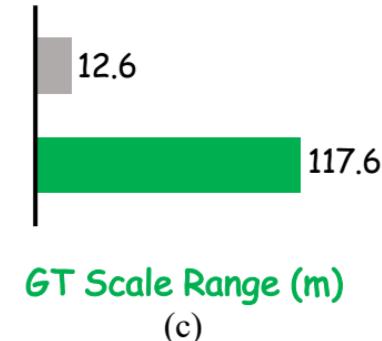
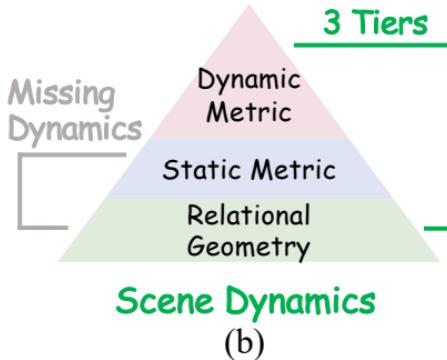


VSI-Bench



[1.0 meters. \(Correct\)](#)

In indoor scenes, models can leverage **linguistic priors** to answer correctly **even without visual inputs**.



What's the distance between **the blue sign** and **the canopy**? **(GT: 33.5 meters)**

Without visual inputs:



In [most urban or commercial outdoor settings](#), a blue sign and a canopy are usually [1 to 3 meters](#) apart. [\(Wrong\)](#)

With visual inputs:



OpenBench (ours)

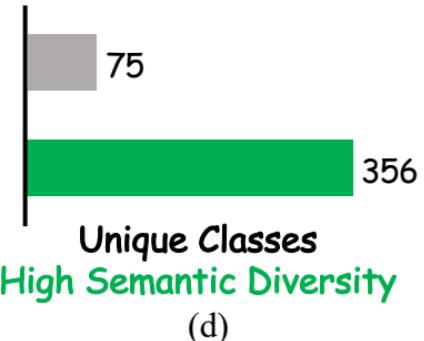


[15 meters. \(Wrong\)](#)

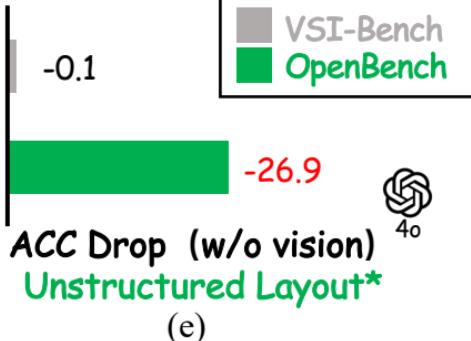
Our Open-World Data

- Dynamics
- Large Scale Variation
- Unstructured layout
- High Semantic Diversity

(a)



(b)



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