Instructive example: Unbiased vs Biased

Legend:
- Truth: $\mathcal{R} = 0$
- True Parameter: θ_{tr}
- Biased Approximate: $\mathcal{R} > 1$
- strong bias: θ_{bf}
- Unbiased Approximate: $\mathcal{R} < 1$
- weak bias: θ_{bf}

Posterior: $p(\theta|d)$

Parameter: θ