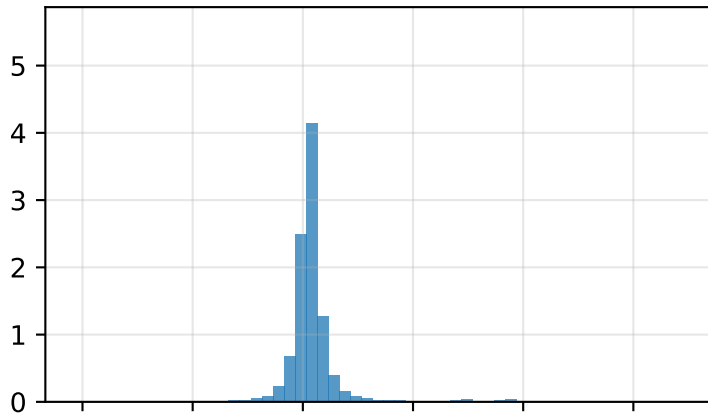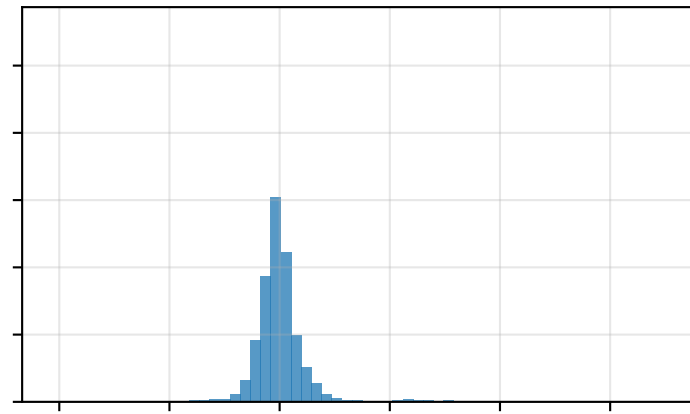Residual Distributions Across Models