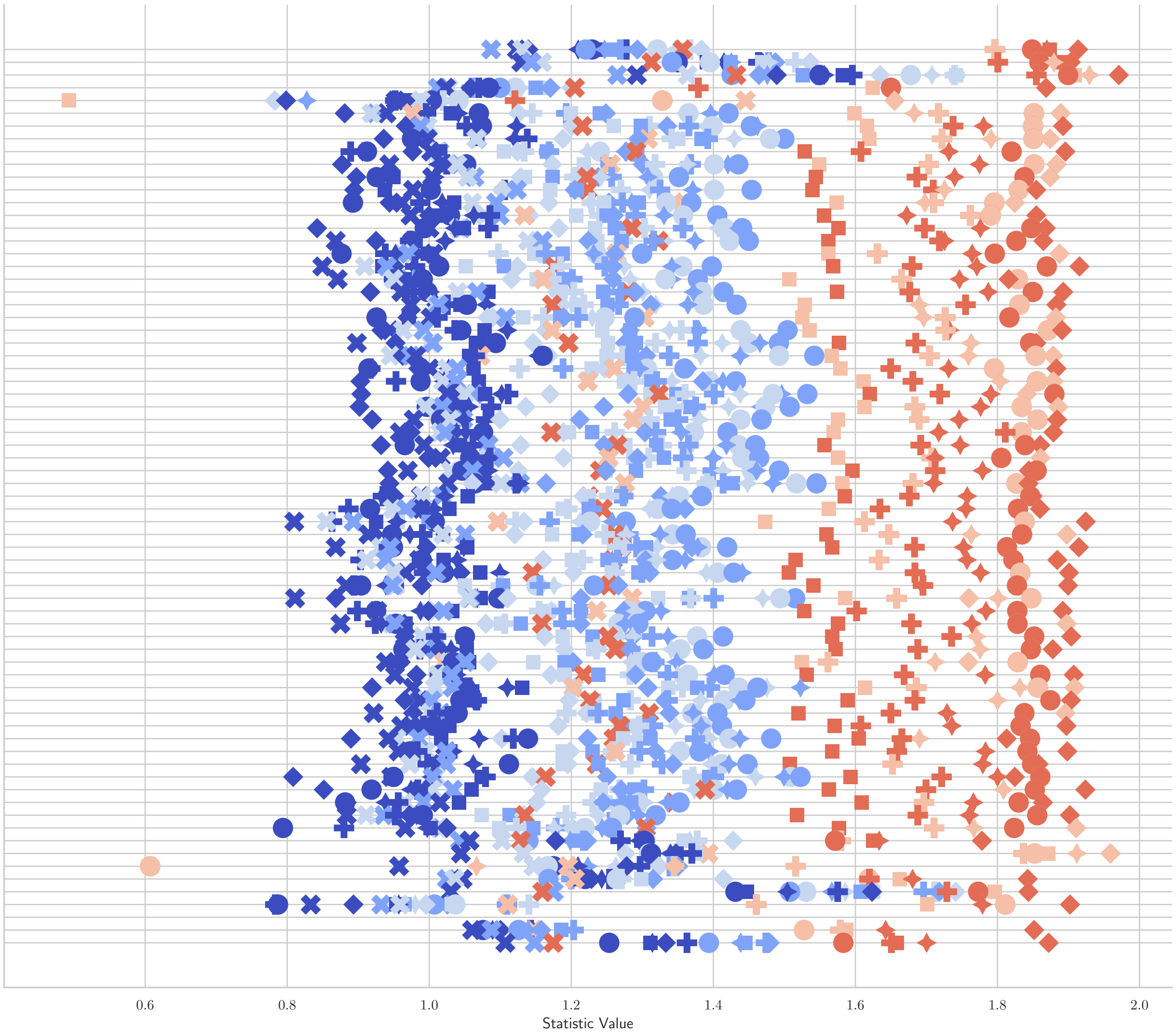


AUC of Correlations' Complementary Cumulative Distribution Function
Spearman Correlations

Benchmark (and Optional Task)

- ARC-Challenge
- ARC-Easy
- HellaSwag
- MathQA
- MC-TACO
- MMLU Abstract Algebra
- MMLU Anatomy
- MMLU Astronomy
- MMLU Business Ethics
- MMLU Clinical Knowledge
- MMLU College Biology
- MMLU College Chemistry
- MMLU College Comp Sci
- MMLU College Maths
- MMLU College Medicine
- MMLU College Physics
- MMLU Comp Security
- MMLU Conceptual Physics
- MMLU Econometrics
- MMLU Electrical Engineering
- MMLU Elementary Maths
- MMLU Formal Logic
- MMLU Global Facts
- MMLU HS Biology
- MMLU HS Chemistry
- MMLU HS Comp Sci
- MMLU HS Euro History
- MMLU HS Geography
- MMLU HS Govt & Politics
- MMLU HS Macroeconomics
- MMLU HS Maths
- MMLU HS Microeconomics
- MMLU HS Physics
- MMLU HS Psychology
- MMLU HS Statistics
- MMLU HS US History
- MMLU HS World History
- MMLU Human Aging
- MMLU Human Sexuality
- MMLU International Law
- MMLU Jurisprudence
- MMLU Logical Fallacies
- MMLU Machine Learning
- MMLU Management
- MMLU Marketing
- MMLU Medical Genetics
- MMLU Miscellaneous
- MMLU Moral Disputes
- MMLU Moral Scenarios
- MMLU Nutrition
- MMLU Philosophy
- MMLU Prehistory
- MMLU Professional Accounting
- MMLU Professional Law
- MMLU Professional Medicine
- MMLU Professional Psychology
- MMLU Public Relations
- MMLU Security Studies
- MMLU Sociology
- MMLU US Foreign Policy
- MMLU Virology
- MMLU World Religions
- OpenBookQA
- PIQA
- PubMedQA
- RACE
- SciQ
- Social Interaction QA
- TriviaQA
- Winogrande
- XWinograd-EN



- Metric
- $\log p_{\theta}^{\text{Vocab}}$ (Correct Choice)
 - $p_{\theta}^{\text{Vocab}}$ (Correct Choice)
 - $p_{\theta}^{\text{Choices}}$ (Correct Choice)
 - Brier Score
 - Accuracy
- Model Family
- Cerebras (Param. and Data Scaling)
 - ✕ INCITE 7B Param. (Data Scaling)
 - LLM360 Amber 7B Tokens (Param Scaling)
 - + OLMo 7B Param. (Data Scaling)
 - ◆ Pythia 12B Param. (Data Scaling)
 - ✦ Pythia 300B Tokens (Param. Scaling)