$probes$
R^2 $\overline{=}$
$34.\overline{34}$
R^2 $\overline{=}$
$55.\overline{28}$
R^2 $\overline{=}$
$67.\overline{94}$
R^2 $\overline{=}$
$74.\overline{97}$
X
$Where$
is
X
in
the
$world?$
X
R^2
$_{s}quare_{w}orld_{d}ecoders.pngDecodermodels$
$_{s}quare_{w}orld_{e}ncoders.pngEncodermodels$
R^2
$_{p}erf.Whilewenoticethattheperformanceincreasesconsistentlyforeverycontinent, wedonotobserveasignificantreductio$
$_{c}ontinent.pngAverageMSEbycontinentfordifferentsizesinthePythiasuite.$
$(x_i)_{i\in[1,N]}$

$$Gini(x) = \frac{\sum_{i,j\in[1,N]} |x_i - x_j|}{N \cdot \sum_{i=1}^{N} x_i}$$

$_{c}ombined.pngGinicoefficientsofMSEonthetestsetaveragedbycountryorbycontinent, asmodelsizeincreases.$
$_{1}^{1}00_{5}^{}0.pngTestlog - MSEforPythia - 1BasplottedonaWorldmap.$
$Fully$
$fully$
$_{s}ize.pngPearsoncorrelationcoefficientsofvariousfactorswithlocation - wiseMSE, forseveralPythiamodelsizes.* : T$
$_{m}ap, weobservethattheerroroncoordinatespredictionisnegativelycorrelatedwiththelatitude, i.e.southernlocationsareles$
$_{b}enderdiscusstherelevanceofscalingmodelstoeverlargermagnitudes, withregardtoenvironmentalandfinancialcost$
$_{l}r_{n}atbiblrec - coling2024 - natbib$