

Data Science and its Applications

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Available Projects

Please select your **top 3 preferences** from the projects below.
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PREDICTING MODEL DEGRADATION FROM DATA
QUALITY

FOUNDATION MODELS AS DATA DIAGNOSTICIANS**"SHADES OF DATA" - A DATA DEGRADATION
SIMULATOR****A FOUNDATION MODEL FOR WRITING GOOD
BENCHMARKS****GROUNDING MULTI-OBJECTIVE PROCEDURAL
SYNTHESIS****STATISTICALLY ROBUST LLM EVALUATION****REPRODUCIBLE AND RESPONSIVE RESEARCH POSTERS****TREATING ORDINAL DATA AS CONTINUOUS: WHAT
COULD POSSIBLY GO WRONG?****CROSS-SPECIES TRANSFER LEARNING****MOBILE HEALTH DATA AND LAG MODELS****INTERPRETABLE NEURAL ARCHITECTURE SEARCH FOR
BIOMEDICAL DISCOVERY****TOWARDS SURVIVAL FOUNDATION MODELS****BIOLOGICALLY INFORMED MACHINE LEARNING IN R****A SIMULATOR FOR MOBILE HEALTH DATA****PROBABILISTIC LOGIC PROGRAMMING WITH MULTI-
OMICS****RECOMMENDING JOURNALS FOR PREPRINTS**

**X-HACKING ACROSS DATA MODALITIES:
MANIPULATING MODEL EXPLANATIONS IN VISION,
LANGUAGE, AND TIME SERIES DATA**

REPRODUCIBILITY CHECKLISTS IN ACTION

INTEGRATED TEMPORAL FAIRNESS

**ENSEMBLE LEARNING OF PREPROCESSING PIPELINES
FOR (SPATIO-TEMPORAL) EVENTS DATA**

**AUTOMATED PRIOR ELICITATION FOR BAYESIAN
MODELS**

PYWHYLLM BASED SIMULATION FOR N-OF-1 TRIALS

**CONDITIONAL SPATIAL AUTOCORRELATION: A
FRAMEWORK FOR HYPOTHESIS TESTING WITH
SPATIALLY STRUCTURED COVARIATES**

**INCREASE CREATIVITY OF VLM THROUGH
CLASSIFICATION OF HUMAN PERCEIVED SHAPES IN
THE CLOUDS**

HETEROGENOUS IT SYSTEMS

**GRAPH TRANSFORMERS FOR POINT PROCESS
GENERATION**

**EXPLORING SPATIO-TEMPORAL PATTERNS IN MULTI-
LAYERED EVENT DATA**

**EVALUATING CORRELATION MEASURES BETWEEN
CONTINUOUS COVARIATES AND DISCRETE EVENTS**

**COMPUTATIONAL MODELS FOR THE DIFFUSION OF
GUN VIOLENCE**

COMPUTATIONAL MODELS OF CAR THEFT DIFFUSION

CAUSAL INFERENCE FOR POINT PROCESS DATA

MINING LONGITUDINAL PATTERNS

**STPP INTENSITY MODELLING WITH ENERGY BASED
FUNCTIONAL MODELS**

**BENCHMARKING HOW PERSUASIVE LARGE LANGUAGE
MODELS ARE**

BETTER RANKING OF LLMS

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