

# Data Science and its Applications

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### Available Projects

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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

GROUNDED 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**[Previous](#)[Next](#)**Quick Links**[About Us](#)[For Students](#)[Research](#)[For Industry](#)[Our Team](#)[Vacancies](#)**Legal & Contact**[Impressum](#)[Contact Us](#)[Privacy Policy & Disclaimer](#)

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