

## [PDF] **Measuring Causal Effects of Data Statistics on Language Model's Factual Predictions**

Y Elazar, N Kassner, S Ravfogel, A Feder... - arXiv preprint arXiv ..., 2022

Large amounts of training data are one of the major reasons for the high performance of state-of-the-art NLP models. But what exactly in the training data causes a model to make a certain prediction? We seek to answer this question by ...

## **Mining Fluctuation Propagation Graph Among Time Series with Active Learning**

M Li, M Ma, X Nie, K Yin, L Cao, X Wen, Z Yuan, D Wu... - International Conference on ..., 2022

Faults are inevitable in a complex online service system. Compared with the textual incident records, the knowledge graph provides an abstract and formal representation for the empirical knowledge of how fluctuations, especially faults ...

## **Learning Fairer Interventions**

Y He, K Burghardt, S Guo, K Lerman - Proceedings of the 2022 AAAI/ACM ..., 2022

Explicit and implicit bias clouds human judgment, leading to discriminatory treatment of disadvantaged groups. A fundamental goal of automated decisions is to avoid the pitfalls in human judgment by developing decision strategies that can be applied to ...

## **Causal Framework of Artificial Autonomous Agent Responsibility**

M Franklin, H Ashton, E Awad, D Lagnado - Proceedings of the 2022 AAAI/ACM ..., 2022

Recent empirical work on people's attributions of responsibility toward artificial autonomous agents (such as Artificial Intelligence agents or robots) has delivered mixed findings. The conflicting results reflect differences in context, the roles of AI ...

## **Contrastive Counterfactual Fairness in Algorithmic Decision-Making**

EÇ Mutlu, N Yousefi, O Ozmen Garibay - Proceedings of the 2022 AAAI/ACM ..., 2022

The widespread use of artificial intelligence algorithms and their role in decision making with consequential decisions for human subjects has resulted in a growing interest in designing AI algorithms accounting for fairness considerations. There ...

## [PDF] **Structural Causal 3D Reconstruction**

W Liu, Z Liu, L Paull, A Weller, B Schölkopf - arXiv e-prints, 2022

This paper considers the problem of unsupervised 3D object reconstruction from in-the-wild single-view images. Due to ambiguity and intrinsic ill-posedness, this problem is inherently difficult to solve and therefore requires strong regularization to ...

## **SCALES: From Fairness Principles to Constrained Decision-Making**

S Balakrishnan, J Bi, H Soh - Proceedings of the 2022 AAAI/ACM Conference on AI ..., 2022

This paper proposes SCALES, a general framework that translates well-established fairness principles into a common representation based on the Constraint Markov Decision Process (CMDP). With the help of causal language, our framework can ...

[PDF] **Some advances in multivariate statistical modeling**

M Baranyi - 2022

My dissertation provides an outlook on the research activities that I have been involved in during my Ph. D. studies. This work revolves around three seemingly distinct topics of statistics: graphical models, nonparametric statistics, and time series ...

[PDF] **疫情防控效果的跨国比较及其对各国经济发展的影响研究**

钱箴, 史雪洋, 程兵, 汪寿阳 - 管理评论, 2022

自 2020 年 1 月以来, 新冠肺炎疫情在全球范围内持续扩散, 国际疫情防控形势相当严峻. 在有效疫苗出现前, 为了准确评估各国政府应对疫情隔离防控政策的效果, 本文基于一种拓展的 vSIR 传染病模型, 针对各个国家构造了一种能够有效量化衡量各国 ...

[PDF] **DO TELEMATICS TECHNOLOGIES HELP TO MANAGE ROAD TRANSPORT ENTERPRISES? EVIDENCE FROM SME IN POLAND**

W ZALEWSKI, M OSIŃSKA, M ŻUREK

Purpose: This study evaluates the acceptance of GPS/GPRS-based telematics technology in freight road transport companies registered in Poland. Design/methodology/approach: The evaluation is based on a survey of 500 ...