## Congratulations on Your Award-Winning Paper: Microsoft Journal of Applied Research (MSJAR), Volume 19

Juan Lavista Ferres <jlavista@microsoft.com>
Fri 8/11/2023 2:46 AM

To:Itzik Malkiel <Itzik.Malkiel@microsoft.com>;Uri Alon <urialon@microsoft.com>;Yakir Yehuda <t-yyehuda@microsoft.com>;Shahar Keren <shahark@microsoft.com>;Noam Koenigstein <Noam.Koenigstein@microsoft.com>

Cc:Royi Ronen <royir@microsoft.com>;Nir Nice <nicen@microsoft.com>;Charles Lamanna <Charles.Lamanna@microsoft.com>;Lori Lamkin <Lori.Lamkin@microsoft.com>

Dear authors,

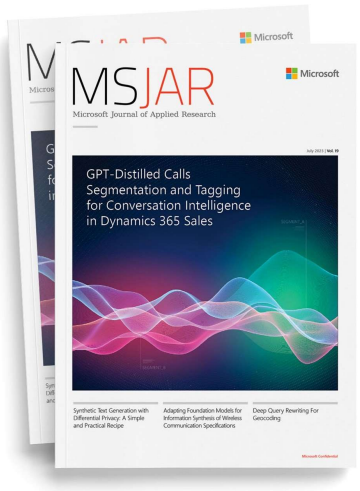
I am delighted to extend my warmest congratulations to you on the outstanding achievement of winning the Best Paper award at MSJAR (Microsoft Journal of Applied Research) for your remarkable research work.

It gives me great pleasure to see your research being recognized and appreciated by experts in the field. Your hard work, dedication, and exceptional research skills are clearly evident in the quality of the paper.

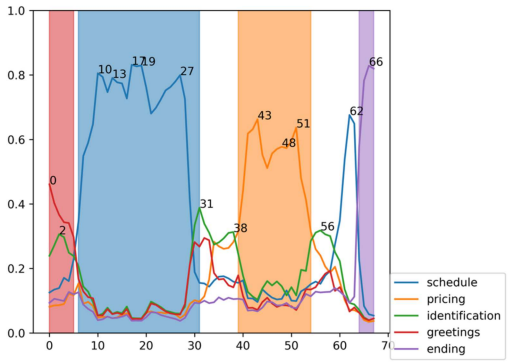
Once again, congratulations on this fantastic achievement.

Sincerely,

Juan M. Lavista Ferres
VP, Chief Data Scientist
MSJAR Editor in Chief




GPT-distilled calls segmentation and tagging for conversation Intelligence in Dynamics 365 Sales
*Itzik Malkiel, Uri Alon, Yakir Yehuda, Shahar Keren, Noam Koenigstein*

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**Sent:** Wednesday, August 2, 2023 12:35 AM
**To:** MSJAR MSJAR@microsoft.com; Data Science At Microsoft datascience@microsoft.com
**Subject:** Announcing the Microsoft Journal of Applied Research (MSJAR), Volume 19

# Announcing the Microsoft Journal of Applied Research (MSJAR) Volume 19.

MSJAR Vol 19 showcases peer-reviewed papers from the June Machine Learning, AI & Data Science (MLADS) Conference, held June 19-22.


# MSJAR

**Microsoft Journal of Applied Research**

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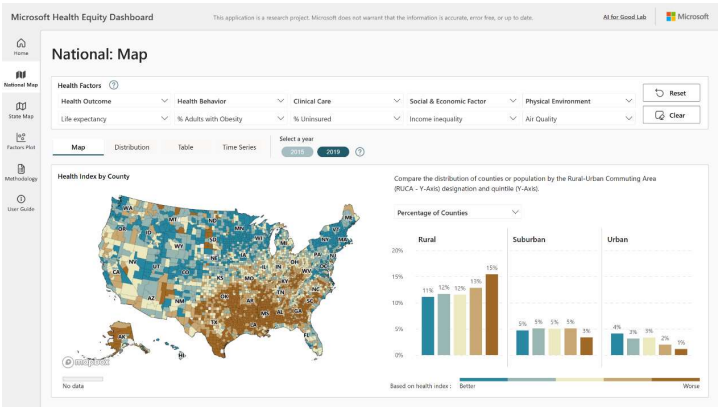



Editorial – From Edison to AI: Embracing progress responsibly for a brighter future
*Juan M. Lavista Ferres*

Article – Open data award

Data Visualization – Bridging the health divide: Addressing disparities between rural and non-rural communities
*William B Weeks, Ji E Chang, José A Pagán, Jeffrey Lumpkin Divya Michael, Santiago Salcido, Allen Kim, Peter Speyer, Ann Aerts, James N Weinstein, Juan Lavista Ferres, Pedro Costa*

## Research Articles – **(click on titles to view articles)**

GPT-distilled calls segmentation and tagging for conversation Intelligence in Dynamics 365 Sales
*Itzik Malkiel, Uri Alon, Yakir Yehuda, Shahar Keren, Noam Koenigstein*

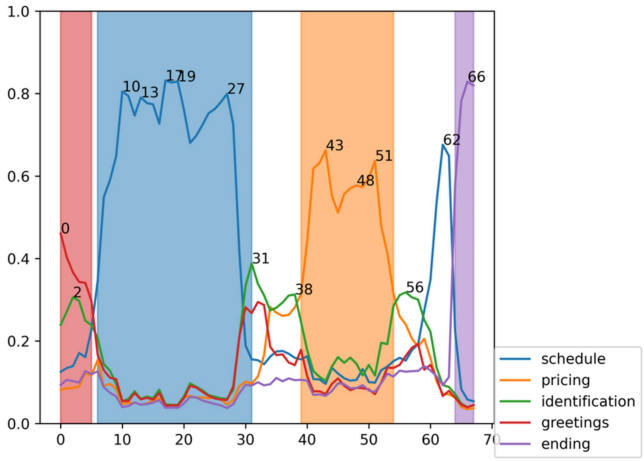
SSL-IIDN: A self-supervised learning intra-inter anom detection network for cross-sectional time-series dat
*Fanghua Lin, Cheng Cao*

Behavioral recommender system for process automa steps
*Mohammadreza Fani Sani, Michal Sroka*

Optimizn: A Python library for customized constraine optimization algorithms
*Akshay Sathiya, Rohit Pandey, Mohammad Ali Bashiri*

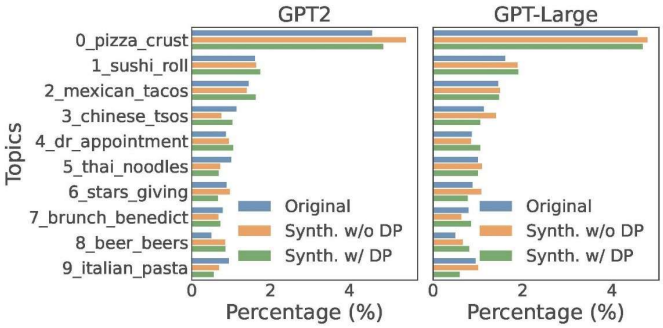
The application of pretrained language model in frau protection
*Cheng Cao, Weixiang Zhang, Yuting Jia*

Event Tracker: Near real time video event tracking sy scale using computer vision



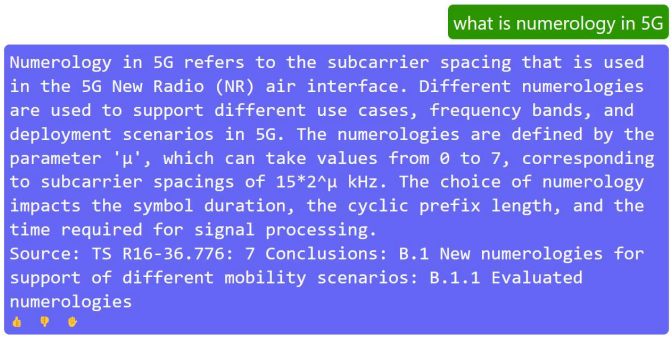

## Synthetic text generation with differential privacy: A simple and practical recipe

*Xiang Yue, Huseyin A. Inan, Xuechen Li, Girish Kumar, Julia McAnallen, Hoda Shajari, Huan Sun, David Levitan, Robert Sim*



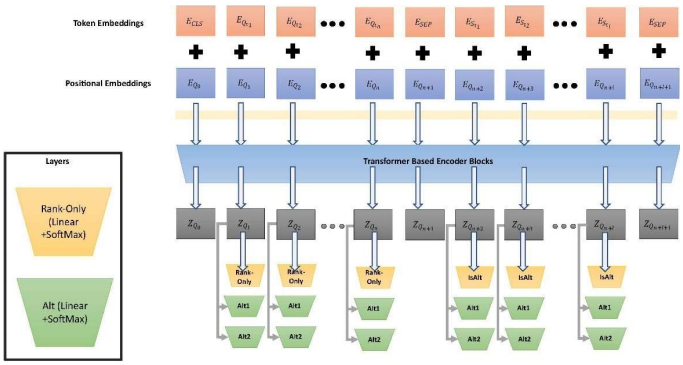

## Adapting foundation models for information synthesis of wireless communication specifications

*Manikanta Kotaru*




## Deep query rewriting for geocoding

*Pravakar Roy, Chirag Sharma, Chao Gao, Kumarswamy Valegerepura*




## What's happening in your neighborhood? A weakly supervised approach to detect local news

*Priyal Doshi, Muhammad Sibtain Humayun*

## Cosine similarity for random projection embeddings large graphs

*Cassiano Becker, Tvrtko Tadic*

## AzQualify EnvDesign: An analytics model to solve the environment design problem

*Akshay Sathiya, Rohit Pandey, Mohammad Ali Bashiri, Lokesh Dogga, Ven Sumanth Reddy Kota*

## Accelerating Azure migration with advanced ML solu

*Kiran Rama, Divij Bajaj, Juhi Sharma, Manpreet Singh, Naveen Panwar, Ro Kondapalli, Sharath Kumar Rangappa*

## Weakly supervised clickbait ad detection with large language models and Snorkel

*Devin Kreuzer, Chengcheng Li, Bhuvan Malladihalli Shashidhara, Tanuja B Priyadarshini Venkatramani, Qiangqiang Zhu, Joel Pfeiffer*

## AgeNet: Age prediction using the MRI data for the Alzheimer's disease

*Nimai Chand Das Adhikari, Arpana Alka, Alankar Jundre*

## FaaS: An interactive and advanced time series foreca solution

*Nimai Chand Das Adhikari, Shweta Singh, Abhinav Mani, Vaibhav Fadnav*

## ComBaT: A language modeling approach for whole optimization

*Victor Dong, Pavan Mallapragada, Yi Liu, Denis Charles*

## Domain specificity and data efficiency in typo tolerar checkers: the case of search in online marketplaces

*Kiran R, Juhi Sharma, Amit Agarwala, Dayananda Ubrangala, Ravi Prasad Kondapalli, Laurent Boué*

## Detecting and remediation of profanity in natural lan and generative models

*Pranay Lohia, Suhas Ranganath, Naveen Panwar, Vini Dixit, Badri Naraya*

## Full association ruleset for singleton: Method, algorit application

*Jack Xue*

## Early warning system for Microsoft Azure Consumpti Commitment (MACC) target

*Suhas Ranganath, Pranay Lohia, Amirsina Eskandarifar, Matt Fisher, Vijay Agneeswaran, Daniel Yehdego*

## BERT4Rec-based service recommendation engine fo marketing

*Shariq Ahmad, Kirk Li*

## Joint repetition suppression and content moderation large language models

*Minghui Zhang, Alex Sokolov, Weixin Cai, Si-Qing Chen*

## Open data on GitHub: Unlocking the potential of AI

*Anthony Cintron Roman, Jehu Torres, Caleb Robinson, Juan M. Lavista Ferı Smith*

*Deven Santosh Shah, Shiying He, Gosuddin Kamaruddin Siddiqi, Radhika Bansal*

GPT3.5 generated text detection: An evaluative study
*Amar Kumar, Dharmendra Arya*

Ordered Set Parity Score for comparison of routing results
*Peter Rise*

SpectFormer: Attention alone is NOT what matters in a transformer network
*Badri Narayana Patro, Vijay Agneeswaran*

NEPTUNE: Utilizing graphical and supervised machine learning techniques from big data to reduce false signals in small data systems
*Amritam Sarcar, Mike Decker*

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We hope you enjoy this edition of MSJAR!

If you would like to contribute to our next edition, call for content for Volume 20 will go out shortly, abstracts will be due late August timeframe. You can also send inquiries and contributions at any time to our editorial alias here.

**Kind Regards,**

Juan M. Lavista Ferres
Editor in Chief

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