

Hey, I'm Kibron

I'm a **Data Analyst** and **Front-End Developer**, focused on using **data** to create meaningful solutions. In addition to analyzing **complex datasets** and building **intuitive web applications**, I'm also deeply engaged in **research**, exploring ways that technology can **improve** lives and inform **decision-making**. Here, you can explore my projects and see how I use data and technology to solve real-world problems.

Projects

THAT LAB

HOME PROJECTS PEOPLE PUBLICATIONS CONTACT US

The Health, Aging, and Technology Lab (THAT Lab) is directed by AMANDA LAZAR at the University of Maryland. Our team studies the design of technology for older adults and people with dementia. We focus on technology for meaningful activities and sense of purpose. We are a part of the HUMAN-COMPUTER INTERACTION LAB and are a part of the COLLEGE OF INFORMATION STUDIES.

Our research group flexibly employs user-centered and design methods to involve the people with whom we work. We benefit by co-researching with older adults, people with dementia, and local and international activist organizations that share our goals. We work towards a society that embraces diversity in age and cognitive ability.

Our work has been generously funded by the National Science Foundation as well as the Administration for Community Living as a part of the TRACE B&EG.

Research Lab Website

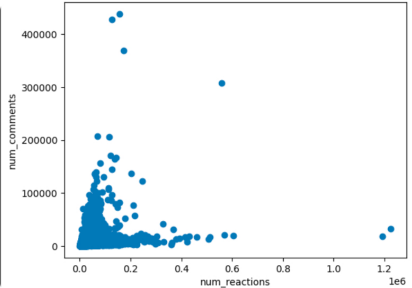
As a front-end developer and researcher at THAT Lab, I enhanced the website to better showcase our work in human-computer interaction. This project highlights my skills in web development, accessibility, and user-centered design.

OLS Regression Results						
Dep. Variable:	Metascore	R-squared:	0.520			
Model:	OLS	Adj. R-squared:	0.520			
Method:	Least Squares	F-statistic:	5443.			
Date:	Sat, 26 Oct 2024	Prob (F-statistic):	0.00			
Time:	01:36:28	Log-Likelihood:	-19599.			
No. Observations:	5818	AIC:	3.929e+04			
Df Residuals:	5816	BIC:	3.921e+04			
Df Model:	1					
Covariance Type:	nonrobust					
	coef	std err	t	P> t	[0.025	0.975]
Intercept	-37.9982	1.294	-29.351	0.000	-40.528	-35.453
Rating	14.2938	0.194	73.774	0.000	13.914	14.674
Omnibus:	34.682	Durbin-Watson:		1.980		
Prob(Omnibus):	0.000	Jarque-Bera (JB):		35.243		
Skew:	-0.205	Prob (JB):		2.22e-08		
Kurtosis:	3.031	Cond. No.		52.1		

IMDb Insights Project 2 - A3

This project involved analyzing the IMDb dataset to explore relationships between movie ratings, metascores, and gross earnings. I visualized data using scatterplots and calculated the Pearson correlation coefficient to identify key patterns.

To ensure data accuracy, I applied the interquartile range (IQR) method to detect and remove outliers. Additionally, I built regression models and conducted hypothesis testing to compare metascores between action and non-action movies.



Fox News Trends & Analysis Project 3 - A2

Analyzed engagement metrics such as reactions, comments, and shares on Fox News social media posts, uncovering patterns in audience behavior. Created histograms, scatterplots, and statistical summaries to visualize trends and identify correlations. Conducted hypothesis testing, including a Z-test, to evaluate shifts in audience sentiment and measure the impact of controversial topics. This project highlights my proficiency in data analysis, visualization, and statistical modeling to derive actionable insights and inform decision-making.



Project 4 - Site

This page! It's designed to showcase my work with clarity and ease of navigation. I used Figma to plan and design the layout before beginning development. The website is fully responsive, user-friendly, and features a clean, professional layout.

Contact Me

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