

ARTIFICIAL INTELLIGENCE

TRANSFORMING INDUSTRIES

Context

AI has become a hot-button issue as the technology expands and makes improvements. These developments require further analysis to determine how the technology is already affecting the workforce, how it will continue to do so, and what people can do to position themselves well in the job market with fluctuating technological advancements.

Purpose

The purpose is to analyze already existing data to see what job categories are most affected and in what manner. Then by doing some analysis we can extrapolate and see what the future might hold in store. In doing so we can see what jobs are likely most effected and who could be at risk of losing a job due to automation.

Result

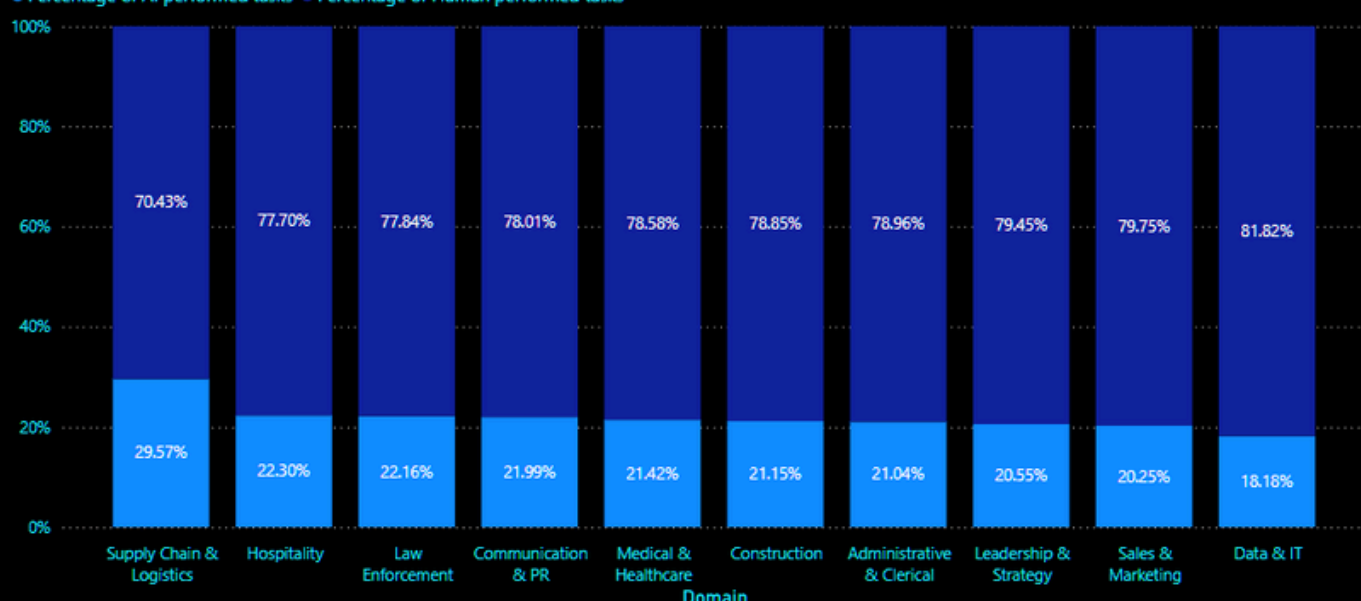
The project shows some expected results including that the I.T. field is most effected at present and will likely continue to be. The key will be how is A.I. being used is it to augment current tasks and make it more effecient for employees work or completely replacing the need for human input in various roles.

What Job Domains are most affected?

The data indicates that Supply Chain & Logistics, Hospitality, and Law Enforcement are most affected with regards to AI models or systems in use.

Percentage of AI performed tasks and Percentage of Human performed tasks by Domain

● Percentage of AI performed tasks ● Percentage of Human performed tasks



Do employers and employees see eye to eye on AI?

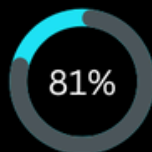
PRODUCTIVITY

Employers surveyed expect an increase in productivity attributable to AI



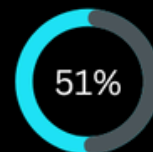
PERFORMANCE

Employees surveyed believed AI improved overall performance.



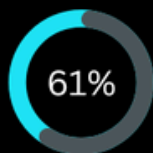
WORK/LIFE BALANCE

Employees believe AI helps achieve better work/life balance



EFFICIENCY

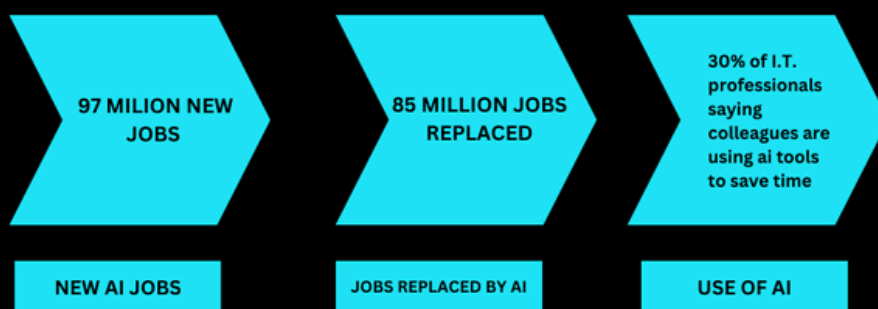
Employees believe AI helped achieve better efficiency



CONCLUSION

Yes, in terms of how it can help the workplace. It is early but the numbers seem to indicate employers and employees both see benefits from the use of AI. What will need to be explored is whether the benefits outweigh the drawbacks as the use of AI increases.

Does AI replace or compliment jobs?



The jury is still out on this one however there is reason for optimism. Surveys, for example IBM reports showing 30% of I.T. professionals saying colleagues are using ai tools to save time, show AI complimenting jobs for many in ways including automating mundane tasks and creating efficiency while saving time along the way.

SOURCES:

[HTTPS://WWW.KAGGLE.COM/DATASETS/MANAVGUPTA92/FROM-DATA-ENTRY-TO-CEO-THE-AI-JOB-THREAT-INDEX?RESOURCE=DOWNLOAD](https://www.kaggle.com/datasets/manavgupta92/from-data-entry-to-ceo-the-ai-job-threat-index?resource=download) [HTTPS://THESOCIALSHEPHERD.COM/BLOG/AI-STATISTICS](https://thesocialshepherd.com/blog/ai-statistics) [HTTPS://WWW.SNAPLOGIC.COM/RESOURCES/INFOGRAPHICS/EMPLOYEES-WANT-MORE-AI-IN-THE-WORKPLACE](https://www.snaplogic.com/resources/infographics/employees-want-more-ai-in-the-workplace) [HTTPS://WWW.FORBES.COM/ADVISOR/BUSINESS/AI-STATISTICS/](https://www.forbes.com/advisor/business/ai-statistics/) [HTTPS://WWW.FORBES.COM/SITES/FORBESTECHCOUNCIL/2022/06/28/AS-AI-ADVANCES-WILL-HUMAN-WORKERS-DISAPPEAR/?SH=833BE1335E68](https://www.forbes.com/sites/forbestechcouncil/2022/06/28/as-ai-advances-will-human-workers-disappear/?sh=833BE1335E68) [HTTPS://WWW.PEWRESEARCH.ORG/SOCIAL-TRENDS/2023/07/26/WHICH-U-S-WORKERS-ARE-MORE-EXPOSED-TO-AI-ON-THEIR-JOBS/](https://www.pewresearch.org/social-trends/2023/07/26/which-u-s-workers-are-more-exposed-to-ai-on-their-jobs/) [HTTPS://CONNECT.COMPTIA.ORG/BLOG/ARTIFICIAL-INTELLIGENCE-STATISTICS-FACTS](https://connect.comptia.org/blog/artificial-intelligence-statistics-facts)