

Landing.Jobs Data Challenge #Data4Tech

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ABSTRACT

The goal of this project is to analyze data from Landing.Jobs' survey 2021 by taking advantage of Statistics tools, Machine Learning and Data Visualization.

The analysis was performed using Jupyter Notebook with Python for mainly apply both Statistic and Machine Learning tools and Microsoft PowerBI for some Data Visualization.

As result, we can highlight that:

- The Tech roles with less than 10% of female representativity are: CTO, Solutions Architect, DevOps Engineer, SysAdmin Engineer, Mobile Apps Developer and Full-Stack Developer. While, the Tech roles with more of female representativity (> 20%) are: Business Application, Data Scientist/Data Engineer, Project Manager, Quality Assurance/Testing, Scrum Master, UX/UI Designer.
- Companies that provide fairness salaries tend to keep their talents.
- Workers who have flexibility to work remotely are less likely to change jobs next months.
- Unicorn companies tend to provide higher and fairness salaries.
- In general, there is no correlation between the number of languages that a worker knows with their salary. We can extend this result, and conclude that specialists tend to earn more.
- As a matter of fact, Go developers earn higher salaries and they also have background in multiple programming languages. Considering that they are majority > 9 years of experience and Go is a recent programming language, this workers must have adopted Go additionally.
- Developers who have background in Bash/Shell/PowerShell, HTML/CSS, Javascript, Python and SQL are potencial candidate to adopt Go as well. In addition, new learners who want to be a Go developers, might consider learn some of this other languages too.
- Typicals tech stacks of developers were founded.
- Javascript is the most popular language and typically related to Front-End and Full-Stack developers, being learned with more kind of languages.