

Analysis on Survey Design

Analysis of Designation of The 2022 Stack Overflow Developer Survey

You can download the full questions in the 2022 survey from

<https://info.stackoverflowsolutions.com/rs/719-EMH-566/images/stack-overflow-developer-survey-2022.zip>

The Stack Overflow Developer Survey 2022 is a large-scale survey of software developers worldwide, which collected data on a wide range of topics related to their work and experiences.

The survey was conducted online and covered various aspects of the software developer. On average, the survey took about 15 minutes to complete (Gibson, D. 2022).

1. Survey Format: Online survey using a web-based questionnaire was accessible to respondents worldwide. However, the community only provided the English version, and considering the global distribution of developers, most of the developers could locate in Asia (Statista, 2021). If the survey can offer in multiple languages could help to increase participation from non-English speaking countries.

2. Survey Questions: The survey included a wide range of questions covering various topics such as demographics, education, employment status, job satisfaction, salary, programming languages, and technologies used. The questions were designed to gather both quantitative and qualitative data and used a mix of closed-ended and open-ended questions. However, if closely look at the questions, there has not such a good design:

a. Ask the company/organisation questions at the beginning. It is generally recommended to start with high-value questions that are most relevant to the main topic or purpose of the survey. When developers have been involved in the study, the technology parts could be most attractive for respondents to finish the survey.

b. the survey included questions about gender identity and sexual orientation, potentially making some respondents uncomfortable or unwilling to participate.

c. Take web development as a high priority. Considering a lot of developers could not be involved in web development, highlighting web development as a unique part could be got lost interest of some respondents, especially considering the survey was conducted online, and it could be better utilize web technology to show the following questions based on previous answers.

d. Using a uncertain words in the chooise. For example,
"What level of influence do you, personally, have over new technology purchases at your organisation?

I have little or no influence.

I have some influence.

I have a great deal of influence."

The survey could use a detailed score or percentage to show influence level could be more accurate.

After all, the Stack Overflow Developer Survey 2022 had a well-designed format and utilised a variety of practical survey questions to gather comprehensive and detailed data on software developers worldwide.

Reference

Gibson, D. (2022). Asked and answered: the results for the 2022 Developer survey are here! [online] Stack Overflow Blog. Available at: <https://stackoverflow.blog/2022/06/22/asked-and-answered-the-results-for-the-2022-developer-survey-are-here/> [Accessed 5 Mar. 2023].

Statista. (2021). Global developer population 2024. [online] Available at: <https://www.statista.com/statistics/627312/worldwide-developer-population/> [Accessed 5 Mar. 2023]