

Microsoft BI is a program developed to do data analytics and is best used when we want to make charts, it is easier to make as we just the database about the organisation or whatever we want to make a chart about, we insert the specific data we want to make a visualization about.

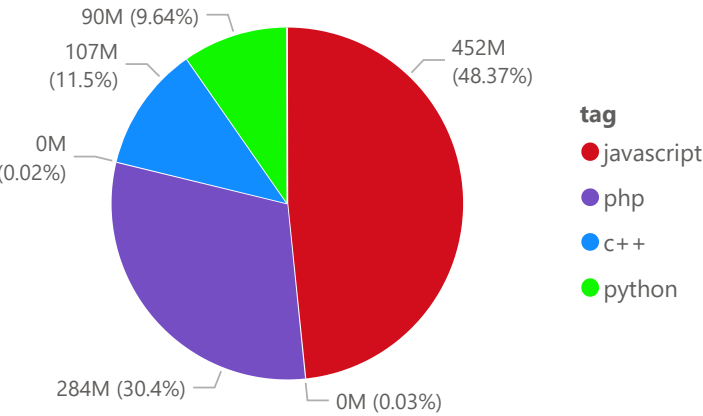
Power BI makes data visualization simple. It provides a visual representation of all corporate data, with options for tables, charts, gauges, and maps, making it easier for teams to utilise. Because of its simplicity and visual representation, Power BI is a strong decision support tool that makes the difference between a regular firm and an efficient, agile, and adaptable organisation. Power BI makes data visualization simple. It provides a visual representation of all corporate data, with options for tables, charts, gauges, and maps, making it easier for teams to utilise. Because of its simplicity and visual representation, Power BI is a strong decision support tool that makes the difference between a regular firm and an efficient, agile, and adaptable organisation.

Technical analysts in the financial sector use trend analysis to forecast the future movements of a particular asset. They use past data to identify the trend's direction. The purpose of this technique is to find appealing investment possibilities that are currently trending higher, as well as to spot downtrends so that investors may exit before losing money.

Mr. Nolan is a Financial Analyst at Duck Financial LLC. He is currently analyzing the historical stock data of a company called Black Sea Petroleum LLC. The company’s stock price has been increasing on a daily basis for the last 7 days, by 0.02% a day. Mr. Nolan determined that this is an uptrend, since in the past, whenever the company has had this increases the uptrend has endured for more than 3 months.

This is how trend analysis works in practice. The analyst can gather data to form an opinion and forecast future stock price movements by evaluating the stock's previous behavior. This allows an investor to decide whether or not to buy in Black Sea Petroleum LLC stocks since, in the analyst's view, there is a possible profit in the transaction.

total_views and total_posts by tag



According to the data in the various types of charts, we can see that python has the most postings since it is becoming increasingly popular for its simplicity and suitability for novices in programming, as well as its versatility. Python may be utilized in a variety of domains, including artificial intelligence. However, Javascript has the most views and responses, which is not unexpected given that it was formerly the most widely used programming language. Javascript is used to provide an interactive layer to a website. On top of the language, programmers typically employ tools created by other developers.

Stack Overflow Tags Data

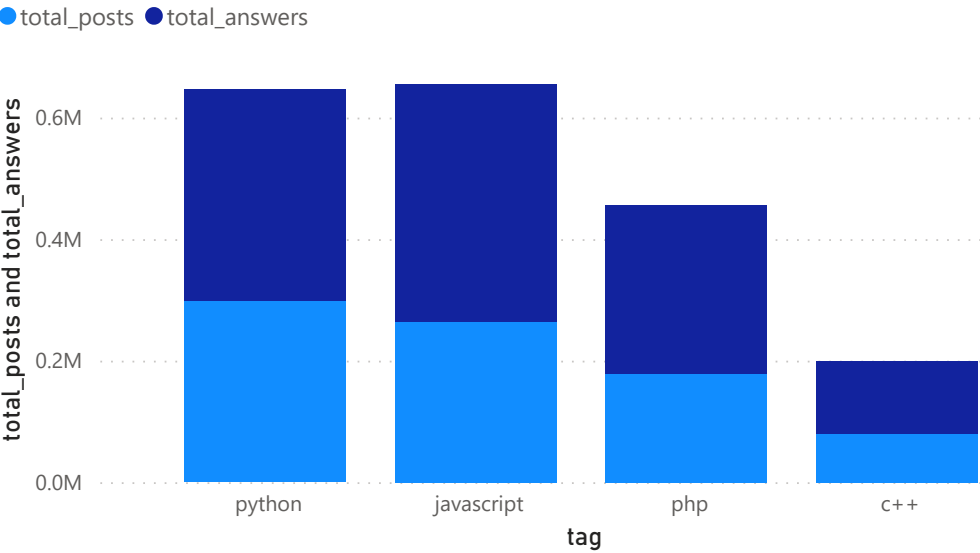
Stack Overflow has about 14 million registered users, with over 21 million questions and 31 million replies as of March 2021. The eight most popular topics on the site are JavaScript, Java, C#, PHP, Android, Python, jQuery, and HTML, depending on the tag type applied to the queries. Stack Overflow also offers a Jobs section that might assist developers in finding their next job. Stack Overflow gives recruiters the tools they need to brand their companies, post job openings on the site, and search our developer database for applicants. who are willing to be contacted on Stack Overflow.

is Stack Overflow self-regulated?
Stack Overflow is an online question and answer forum that is self-moderated. To submit a decent response to a Stack Overflow topic, you'll need skill and domain knowledge.

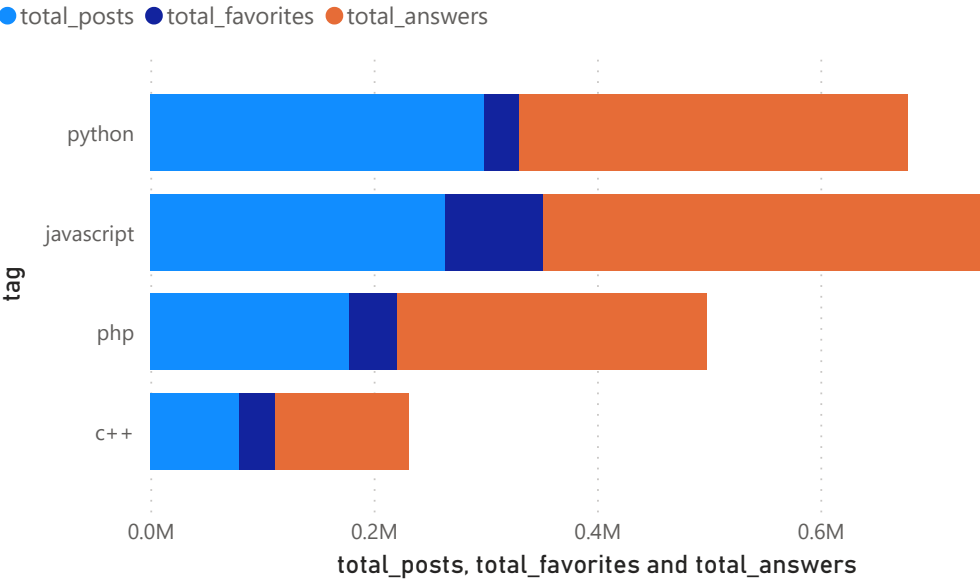
What kind of questions do developers ask on Stack Overflow?
Developers use tags to categorize the content of a post and to assist developers in question searching and browsing on question and answer sites like Stack Overflow (SO). These tags, on the other hand, mostly pertain to technological characteristics rather than the question's goal. To discuss and solve their development challenges, many developers util question and answer sites like Stack Overflow (SO). As a result, there are almost 16,000,000 varied inquiries on SO dealing with developer issues. There are almost 27,000,000 response posts for these queries. The question postings are referred to as posts in the following. The response postings are not included unless they are specifically acknowledged.

Stack Overflow only accepts programming queries that are narrowly focused on a specific issue. Questions of a more general character, or those that invite solutions that are fundamentally subjective, are frequently marked as closed by the site's users.
Closing queries is a key difference between Yahoo! Answers and other Q&A sites, as well as a measure to avoid low-quality inquiries. In 2013, the system was changed, and questions that were amended after being placed "on hold" now show in a review queue. Duplicate inquiries, according to Jeff Atwood in 2010, are not considered as an issue, but rather as an opportunity if they provide additional visitors to the site by multiplying relevant keyword hits in search engines.

total_posts and total_answers by tag



total_posts, total_favorites and total_answers by tag



| tag | total_comments | total_answers | total_posts | total_views | total_favorites |
|------------|----------------|---------------|-------------|-------------|-----------------|
| javascript | 630988 | 391643 | 263982 | 451873786 | 87591 |
| php | 462006 | 276994 | 177888 | 284036930 | 43622 |
| c++ | 272646 | 119270 | 79742 | 107475569 | 31816 |
| python | 590876 | 348131 | 299375 | 90079323 | 30885 |
| Total | 1956516 | 1136038 | 820987 | 933465608 | 193914 |

Group 10:

-Mohamad Nouredine (Leader)

Organized and split The task between members, wrote the discussion for the data analytics

-Ahmed Marwan

wrote the paragraph Answering popular questions about Stack Overflow, did the group details.

-Mohammed Ba Abbad

Cleaned the Data and used Microsoft BI to make the different types of charts. wrote the paragraph about Microsoft BI.

-Amr Hatem

he wrote the paragraph that Described the Trends of Data Analytics in Different Sectors and reflection of these trends. wrote the paragraph that tells the story about Mr.Nolan.