How can you determine which programming languages and technologies are most widely used? Which languages are gaining or losing popularity, helping you decide where to focus your efforts?

One excellent data source is Stack Overflow, a programming question-and-answer site with more than 16 million questions on programming topics. Each Stack Overflow question is tagged with a label identifying its topic or technology. By counting the number of questions related to each technology, you can estimate the popularity of different programming languages.

In this project, you will use data from the Stack Exchange Data Explorer to examine the relative popularity of R compared to other programming languages.

You'll work with a dataset containing one observation per tag per year, including the number of questions for that tag and the total number of questions that year.

`stack_overflow_data.csv`

Column	Description
`year`	The year the question was asked (2008-2020)
`tag`	A word or phrase that describes the topic of the question, such as the programming language
`num_questions`	The number of questions with a certain tag in that year
`year_total`	The total number of questions asked in that year

index	year	tag
1	2008	treeview
2	2008	scheduled-tasks
3	2008	specifications
4	2008	rendering
5	2008	http-post
6	2008	static-assert

Rows: 6

index	year	tag
1	2020	acl
2	2020	waitforsingleobject
3	2020	escaping
4	2020	fillna
5	2020	eslint-plugin-react
6	2020	negative-number
7	2020	aws-ebs
8	2020	macos-catalina
9	2020	scala-2.13
10	2020	comonad
11	2020	bootstrap-datepicker
12	2020	rtp
13	2020	code-metrics
14	2020	java-ee-7
15	2020	sslsocketfactory
16	2020	compiler-construction
17	2020	openoart2.3

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index	tag
1	javascript
2	python
3	java
4	android