

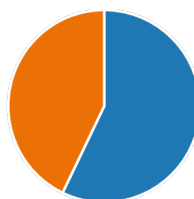
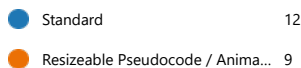
## String Matching Visualiser Final Evaluation

21 Responses

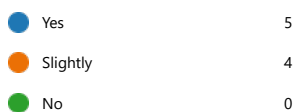
44:23 Average time to complete

Closed Status

1. Firstly, which version of the software have you used?



2. (If you picked resizable pseudocode/animation sections) Were the resizable divs useful at all?



3. What were your first impressions of StrVis?

21  
Responses

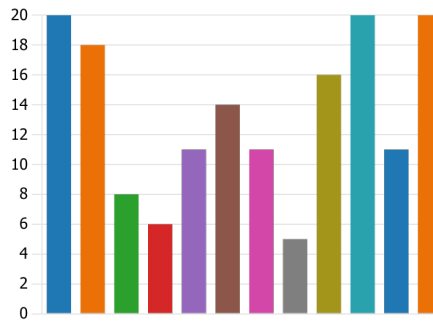
Latest Responses

*"Intuitive layout, easy to follow Well-planned UI design, not overly complex..."**"Looked complicated but after a short time using StrVis it became very easy"**"At first I wasn't sure how to work the application, but this became more ap..."*6 respondents (29%) answered **nice** for this question.

users application colour scheme  
easy nice tutorial  
dark mode working algorithms

## 4. Which features did you utilise while exploring?

Algorithm Animation	20
Pseudocode Displayer	18
Command Displayer	8
Variable Displayer	6
Changed text and pattern	11
Theme Selector	14
Smooth Animations (within Alg...	11
Legend Display (within Algorith...	5
Tutorial	16
Speed Slider	20
Current step slider	11
Play/Pause/Step Functionality	20



## 5. Was there anything you found that was unclear - what and why?

18  
Responses

Latest Responses

"One could add a simple display upon accessing an algorithm for the first ti...

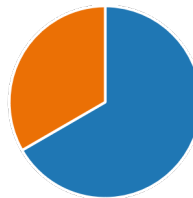
"n/a"

5 respondents (28%) answered **unclear** for this question.

initially thought  
step was nice  
current step  
step-by-step  
algorithm functions  
right arrows  
button  
text  
algorithms  
unclear  
box  
step  
border table  
settings cog  
arrows  
tutorial  
of the step  
step slider  
step counter  
home button

## 6. How easy was the application to use?

Extremely easy	14
Somewhat easy	7
Neutral	0
Somewhat not easy	0
Extremely not easy	0



7. Did you face any technical difficulties while using the application.

17  
Responses

Latest Responses

"There were no apparent technical issues during use "

"n/a"

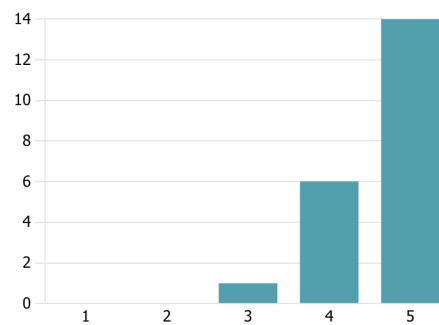
"N/A"

2 respondents (12%) answered **flickering** for this question.

visualiser jumping directly psuedocode menu  
github link error page code flicker  
moore step slider flickering  
error1 big jump technical algorithm  
brute-force halfway occasionally shows  
technical issues max speed  
step technical difficulty

8. Overall, did you find it easy to interpret the functions of the app i.e. was the usage intuitive.

4.62  
Average Rating



9. Now please navigate to the link on a mobile phone or scan the QR code here. Spend a couple minutes trying out the mobile version.

10. What were your first impressions of the mobile version of StrVis?

21  
Responses

Latest Responses

"Largely the same feedback as given for the desktop version The size of the...

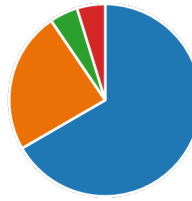
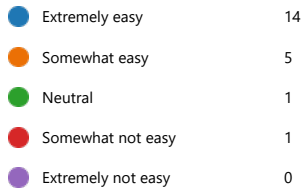
"looked very neat. very professional and the animations looked very good"

"a lot of features, similar to the first version. I liked the option to choose dif...

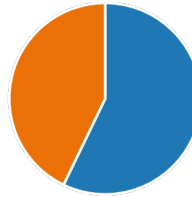
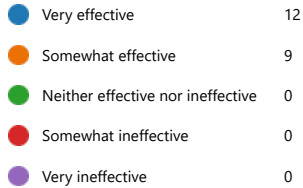
6 respondents (29%) answered **good** for this question.

similar to the first version versions of the application  
controls space different versions mobile screen  
version which is nice  
app on mobile screen good app easy  
previous version web version mobile version phone bit  
versions of the app pc version  
desktop

11. How easy was the app to use on a mobile phone?



12. How effective is the app in teaching the string matching algorithms?



13. Is there anything that can be improved in terms of teaching?

18  
Responses

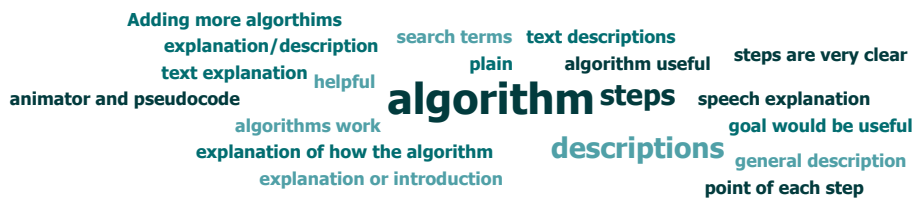
Latest Responses

"A simple in plain English explanation/description alongside would be usef...

"n/a"

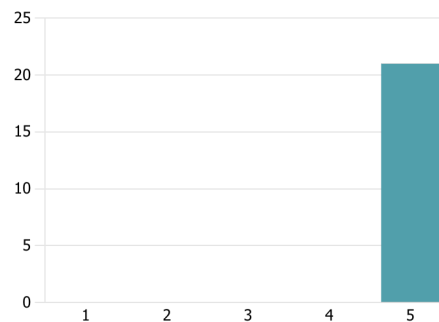
"The instructions and a summary at the begging would be useful to introdu...

6 respondents (33%) answered **algorithm** for this question.



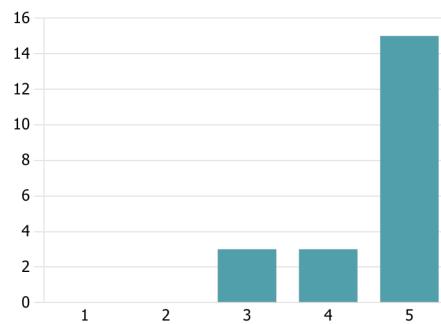
14. Overall, how useful did you find the animation in understanding the brute force algorithm. (1 being extremely difficult, 5 being extremely easy).

5.00  
Average Rating



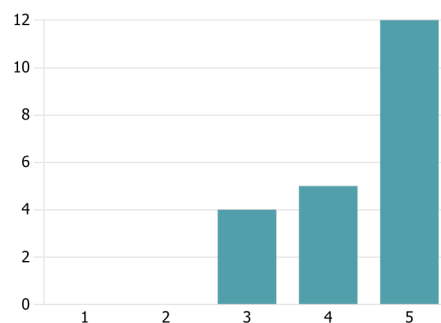
15. Overall, how useful did you find the animation in understanding the boyer moore algorithm. (1 being extremely difficult, 5 being extremely easy).

**4.57**  
Average Rating



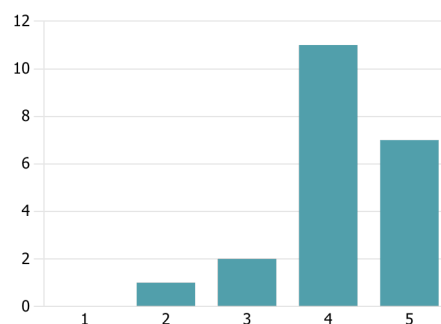
16. Overall, how useful did you find the animation in understanding the knuth morris pratt algorithm. (1 being extremely difficult, 5 being extremely easy).

**4.38**  
Average Rating



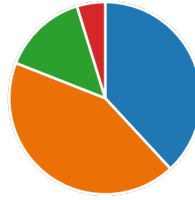
17. The visualiser shows the "efficient border table creation" process, which is out of scope for Algorithms 1. Has useful was this visualisation?

**4.14**  
Average Rating



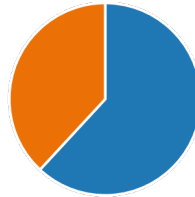
18. Would you say your understanding of string matching algorithms has improved?

Definitely	8
Yes	9
Slightly	3
No	1



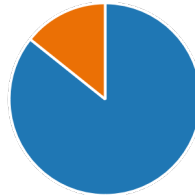
19. Did you enjoy using StrVis?

Definitely	13
Yes	8
Slightly	0
No	0



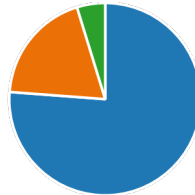
20. What is your perspective on the following statement -> "I feel like StrVis is useful in learning about string matching algorithms".

Extremely true	18
Somewhat true	3
Slightly true	0
Not true at all	0



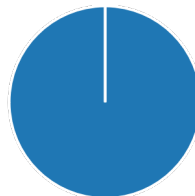
21. What is your perspective on the following statement -> "I feel like StrVis is easy to use".

Extremely true	16
Somewhat true	4
Slightly true	1
Not true at all	0



22. Would you recommend StrVis to a friend learning about string matching algorithms?

Yes	21
No	0



23. Is there anything you think would improve your learning or use experience?

21  
Responses

Latest Responses

"Nothing I haven't previously mentioned, and these are only minor change..."

"n/a"

"The tutorial button could be more visible. A summary to pop at before co..."

6 respondents (29%) answered **algorithm** for this question.

algorithm users explanation experience mobile version actual algorithm explanations of the algorithms home page maybe allow changing animation nice code maybe having algorithms in future settings component mentioned previously colour and mode tutorial button explanations of the steps

24. Thank you for participation in this study, should you have any questions, don't refrain from contacting the details found at the top of the form!