Filtering Data by Condition Type

Code

Introduction

Jonathan created interaction_live_condition.csv which was the same data as before but with added column stating which condition each participant was in. Bar a few exceptions they roughly correesponded to be within the same 100 numbers.

I wrote a script to filter by condition number and then create a plot. Below are the density of clicks in the first thirty minutes of each condition.The script can be found in “src/split_into_conditions.R”

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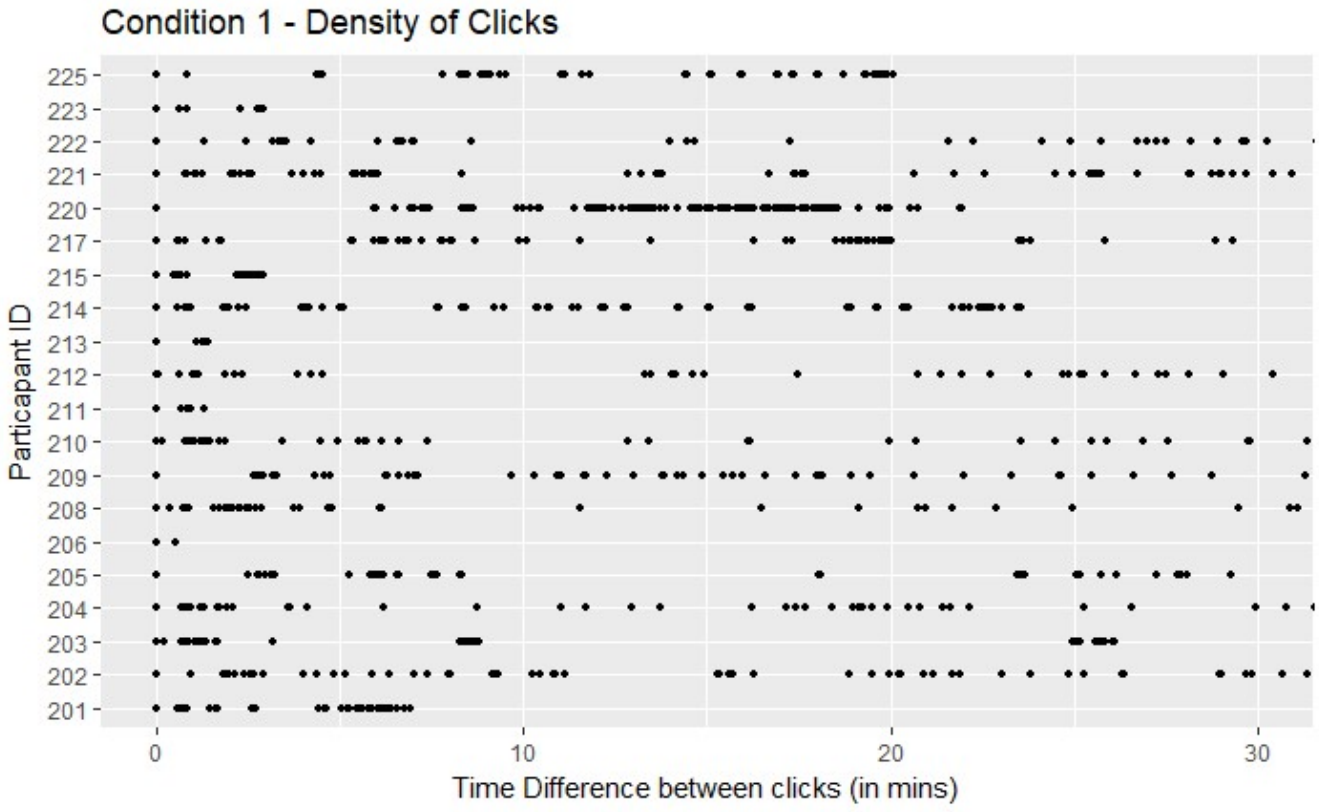
```
plot(c1)
```



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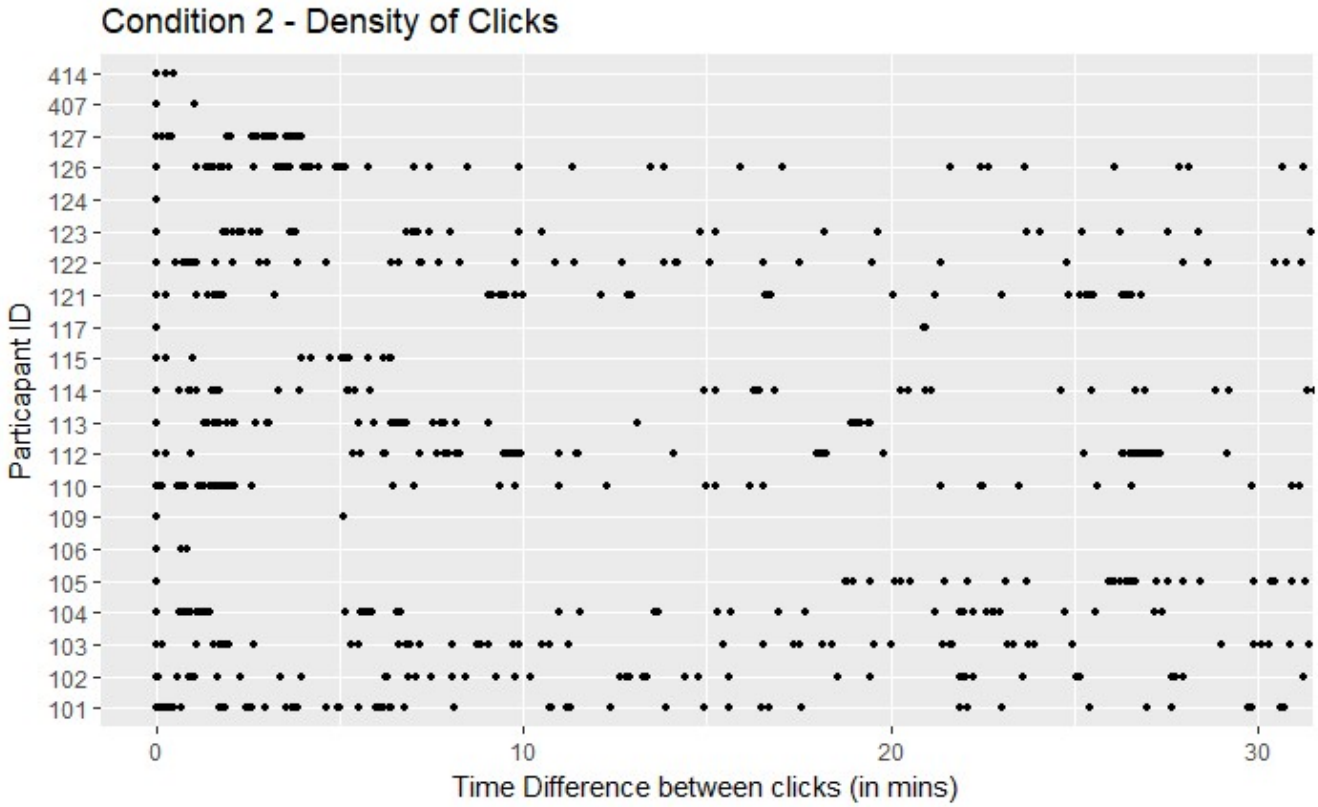
```
plot(c2)
```



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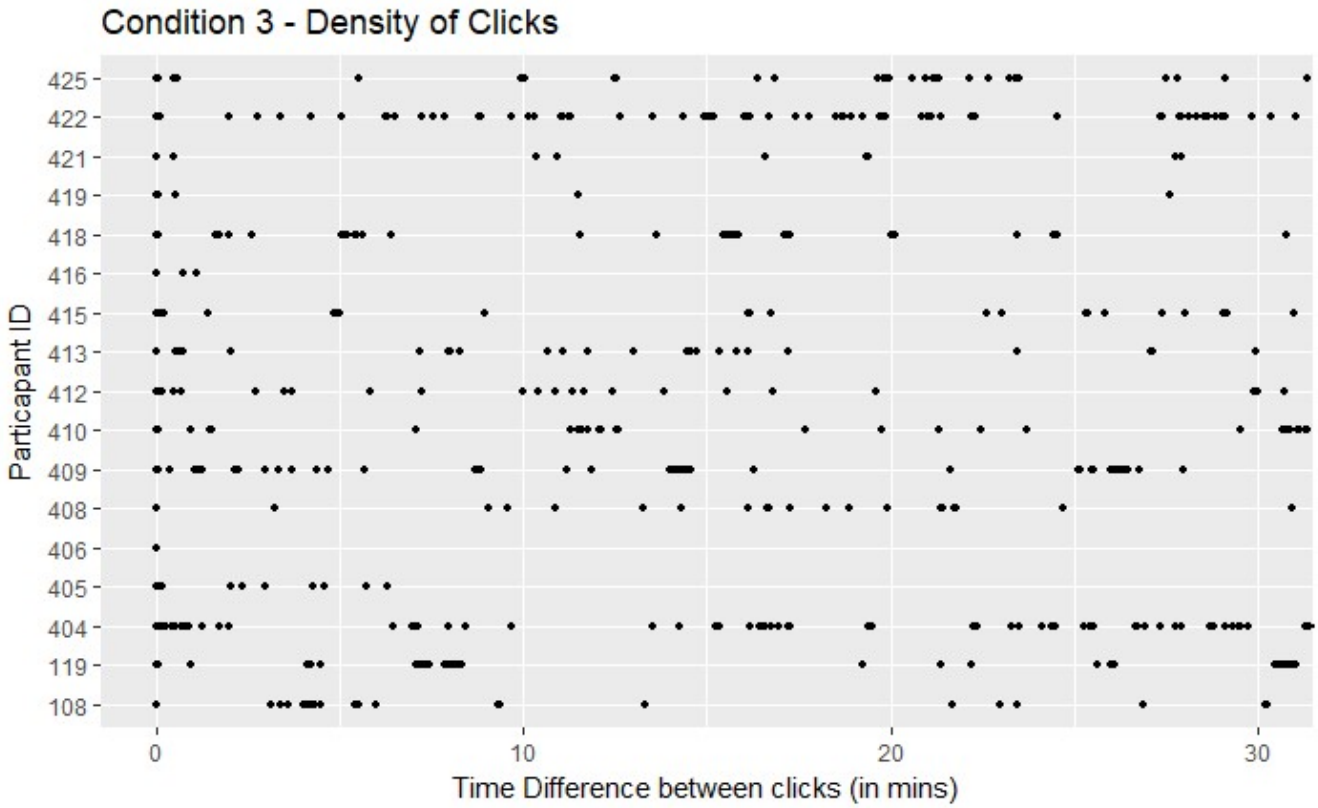
```
plot(c3)
```



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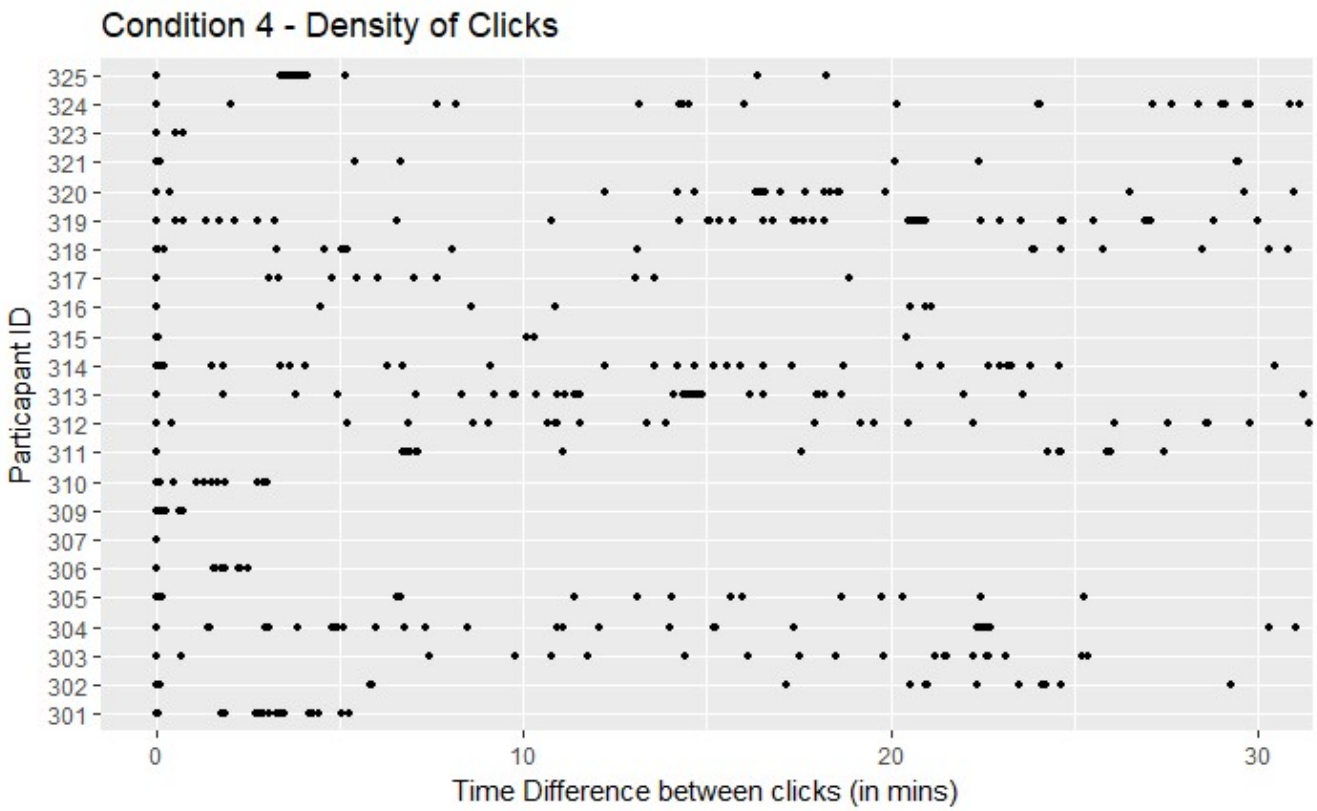
```
plot(c4)
```



A combined plot can be found at “results/bbc_data_session_id_condition/density /density_clicks_conditions_thirty_minutes.png” ### Individual Users

At Jonathan’s suggestion I took a user from each condition to map the types of clicks onto. This way there is space for the legend, and it might throw up some interesting behavioural observations.

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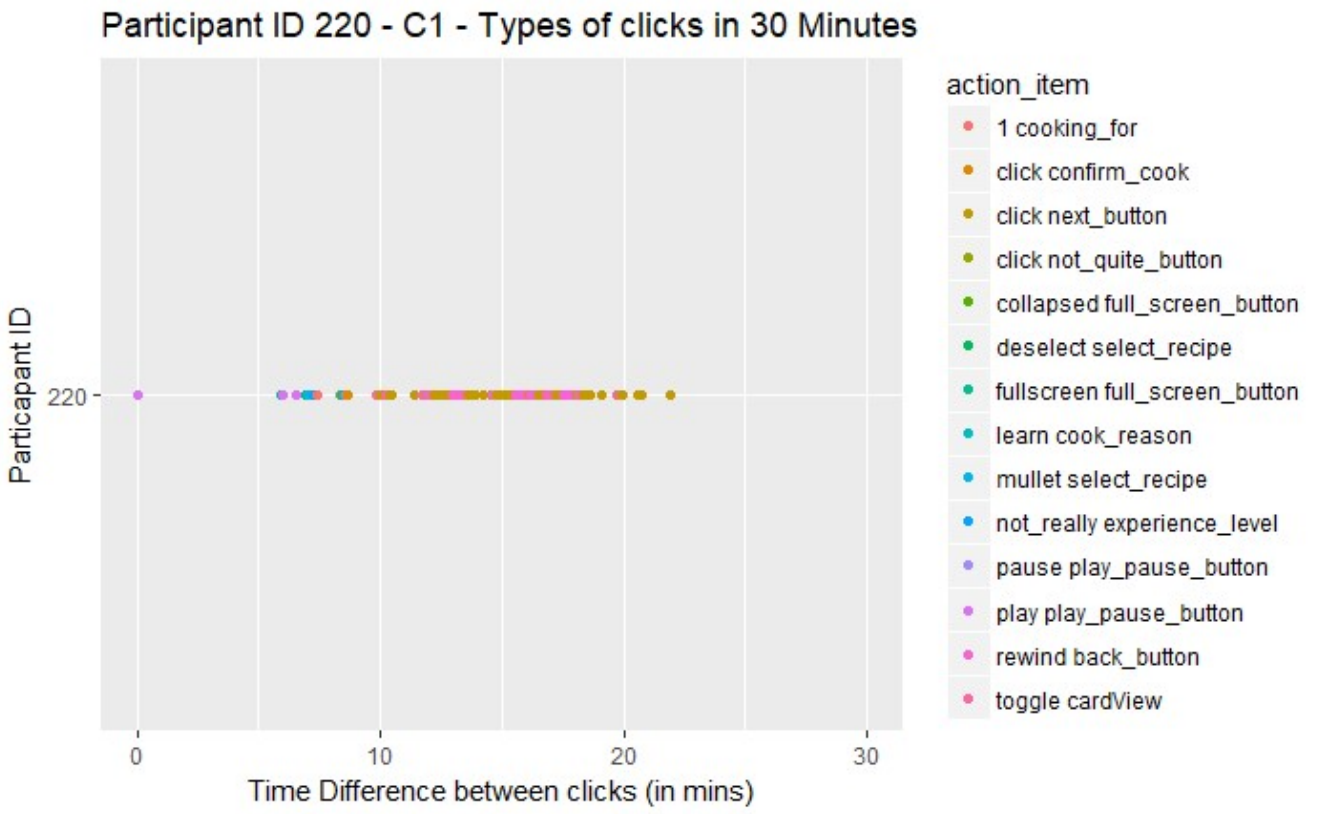
```
plot(type_click_indiv_user)
```



There is a dense lin ein the middle, suggesting that the user played, paused and rewond a lot. I went in a little further and looked at that specific segment, focusiing betrween the 12th and 13th minute.

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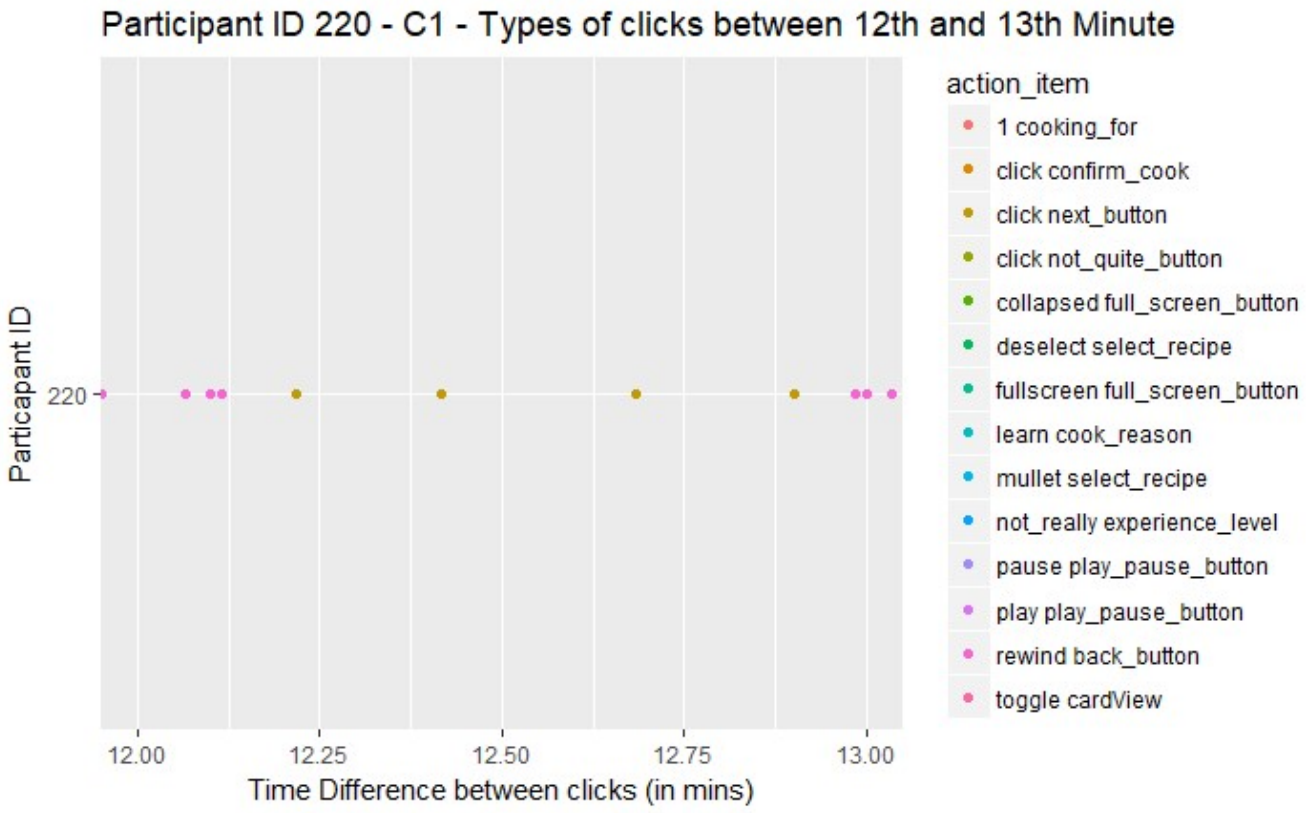
```
plot(type_click_indiv_user_sig)
```



I repeated the same plot for a user in each condition.

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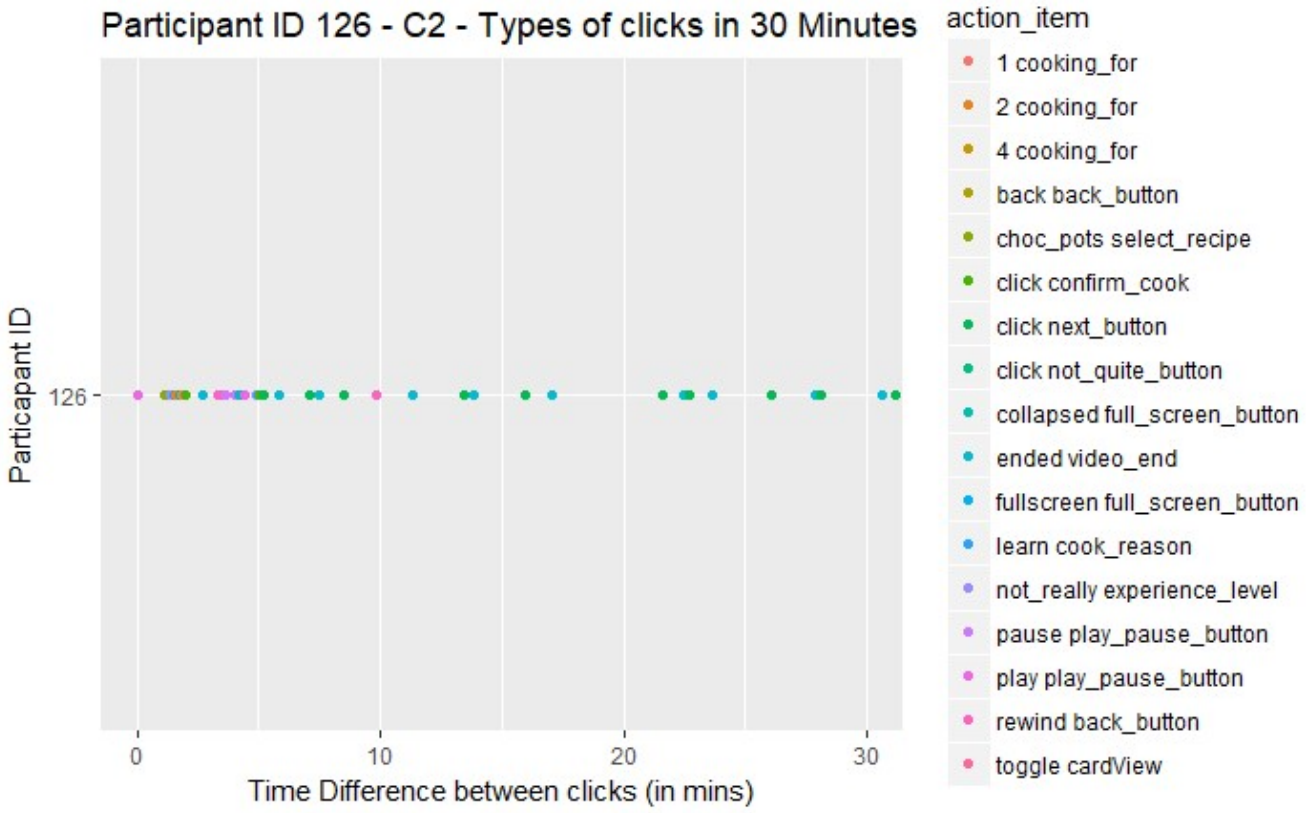
```
plot(type_click_indiv_user_two)
```



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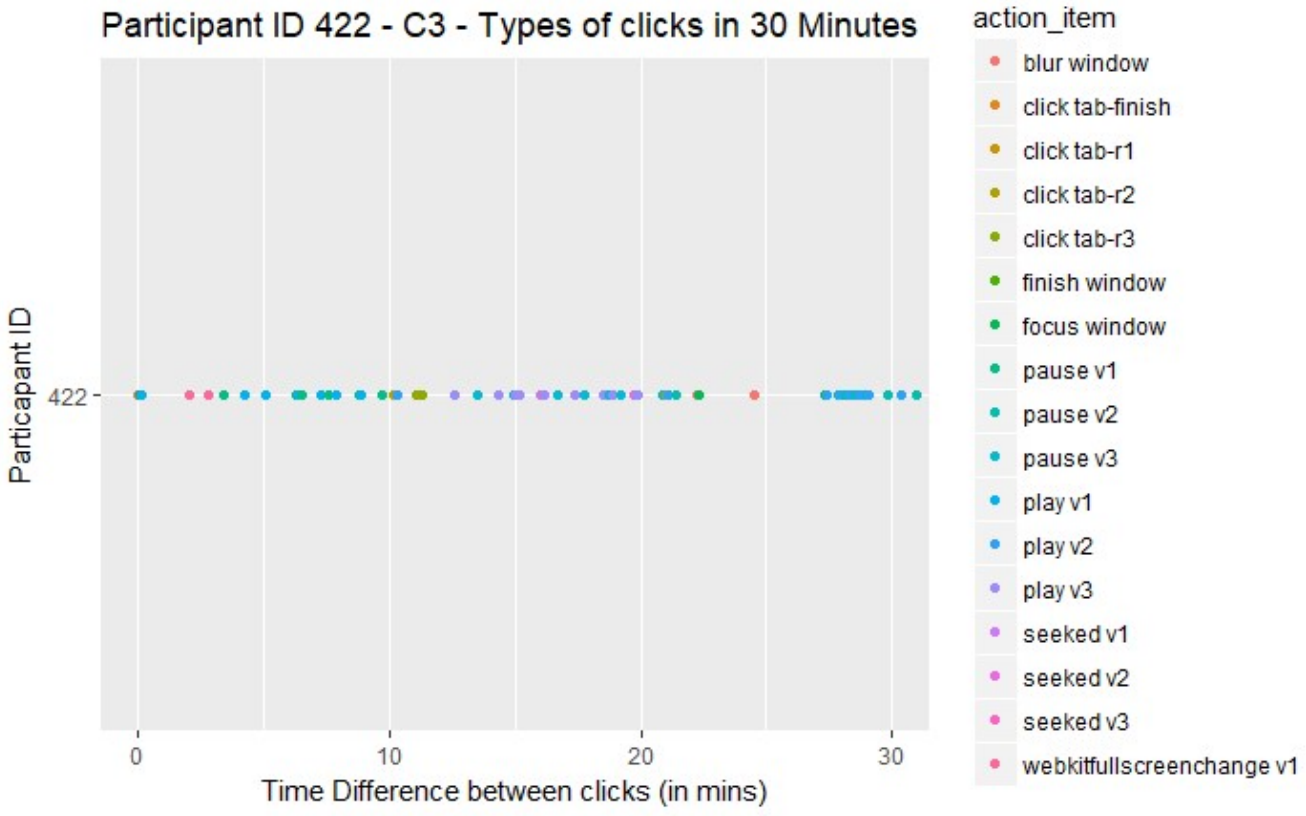
```
plot(type_click_indiv_user_three)
```



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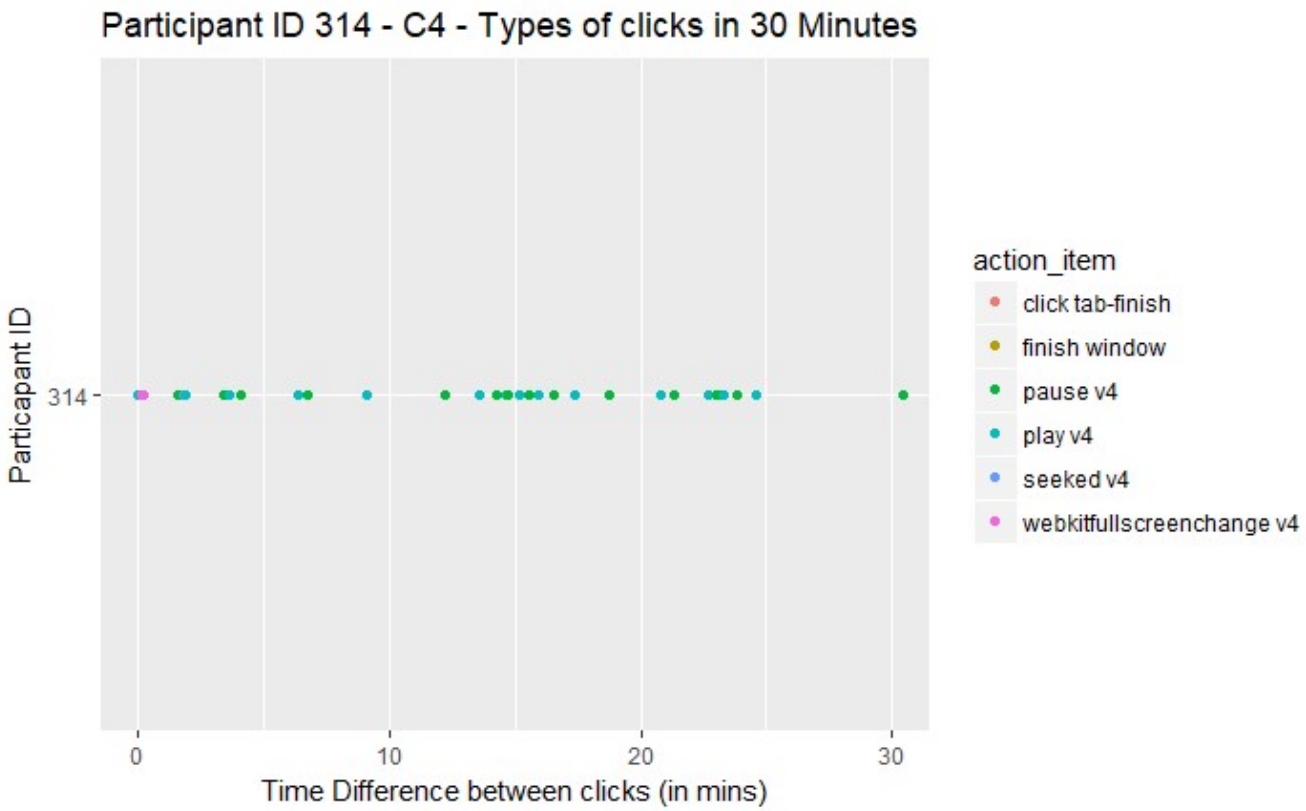
```
plot(type_click_indiv_user_four)
```



Looking at individual users from each condition gives us a better idea of which types of clicks are used by user in each condition.

Comparing Multiple Individual Users

Comparing these users on one plot we can see the differences in types a lot more clearly than on individual plots.The legend is still a little messy but at least it doesn't overwhelm the plot.

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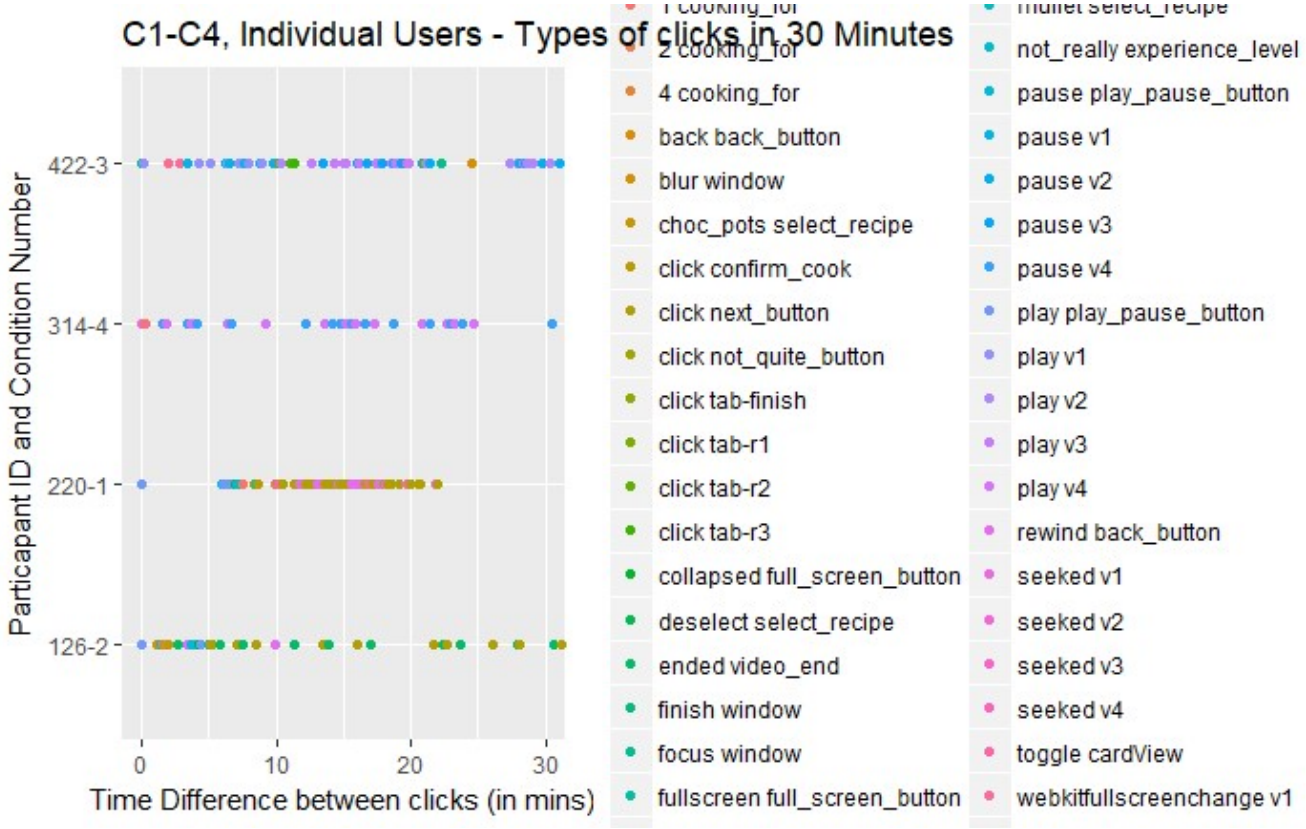
```
plot(group_users_plot)
```



To make this more effective we could try and quantify what a “typical” user is and compare that across the different conditions.