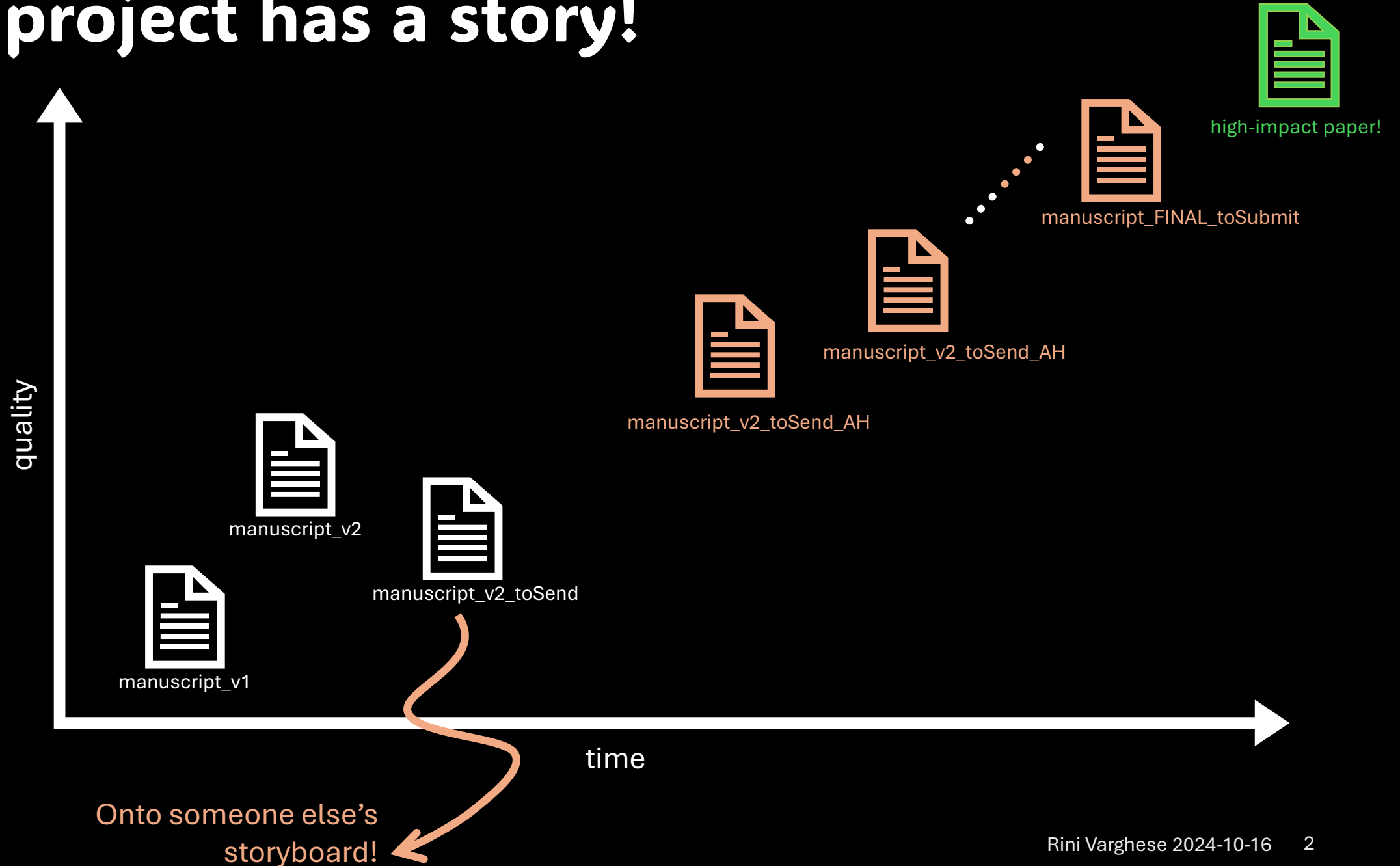


Git Overview

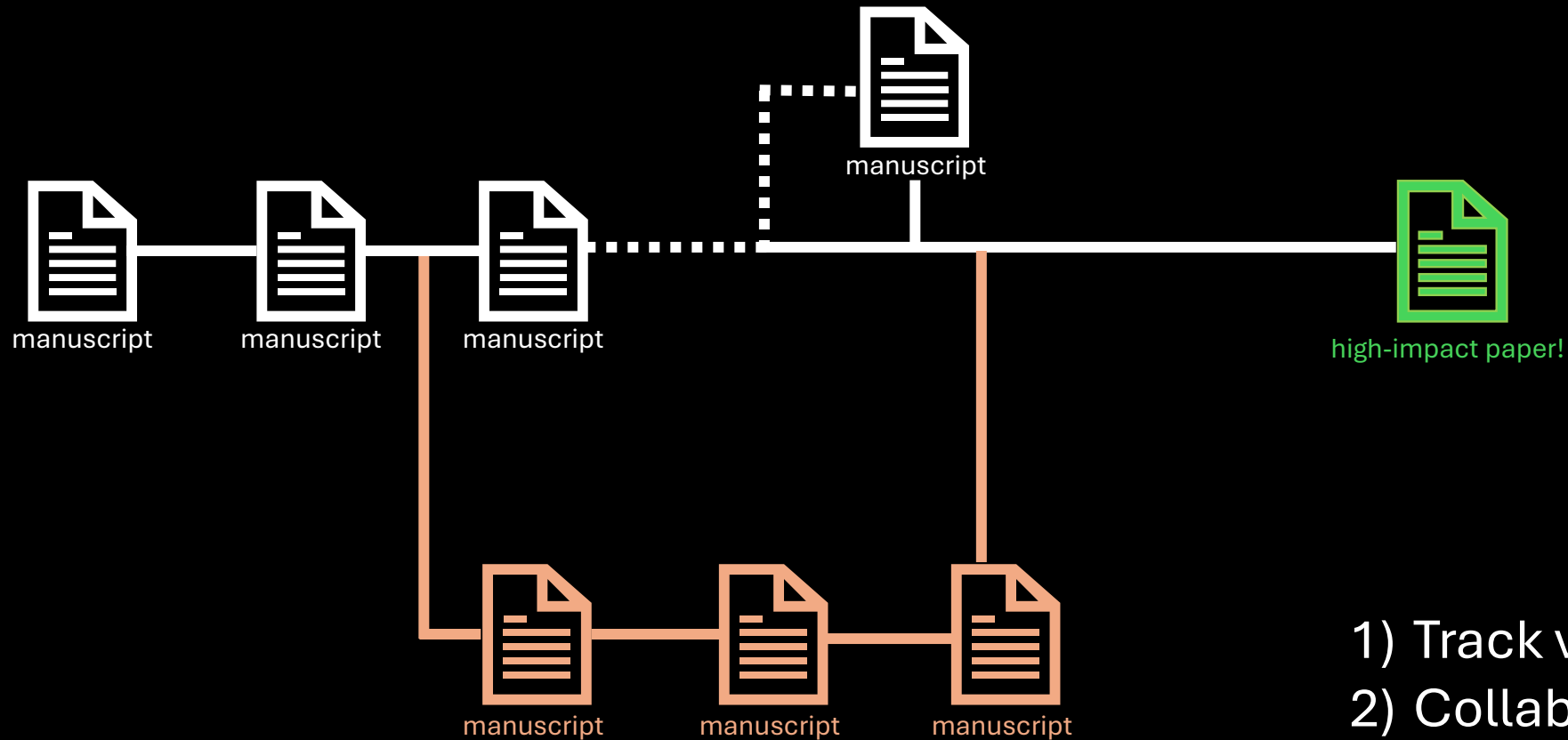
Intro to the functionality of Git for version control

ReproRehab-Pod3 (2024-2025)

Every project has a story!





Git helps you track your story (and others' amends to your story)!



- 1) Track versions
- 2) Collaborate

Tracking by tagging with a unique identifier and user-defined message

Commits on Oct 15, 2024		
updated w2 nb	commit message	commit number 56981eb
	rinivarg committed 15 hours ago	
Commits on Oct 14, 2024		
executable R code added		c008c21
	rinivarg committed 2 days ago	
executable R code added		4db1a3c
	rinivarg committed 2 days ago	
week 2 codebook updated		5eb1858
	rinivarg committed 2 days ago	
week 2 codebook updated		18033dc
	rinivarg committed 2 days ago	

You can see exactly what changed between two commits

```
91
92 - # METHOD 3: map_df & dplyr combined

93 data.all <- map_df(dir.list, function(dir_name) {
94   # List all files in the current directory
95   files.import <- list.files(here(folder_path, dir_name))
96
97   map_df(files.import, function(file_name) {
98
99     # Read the Excel file
100     temp <- suppressMessages(read_excel(here(folder_path, dir_name, file_name), range =
101       cell_cols("J:O"))) %>%
102
103     # Clean and transform the data
104     slice(-c(1, 2)) %>%           # Remove the first two rows
105     select(-2) %>%               # Remove the second column
106     mutate(across(2:5, as.numeric), # Convert columns 2 to 5 to numeric
107            t = seconds(times(t)) + (minutes(times(t)) * 60), # Convert time to seconds
108            Sub = dir_name,          # Assign Sub id
109            trial = ifelse(nchar(file_name) < 16, "rest",
110
111              # Assign trial id below by concatenating diff pieces of info
112              paste("trial", as.numeric(substr(file_name, nchar(file_name) - 5,
113                nchar(file_name) - 5))))))
114 }
```

```
107
108 + library(lubridate)
109 + library(tidyr)
110 +
111 data.all <- map_df(dir.list, function(dir_name) {
112   # List all files in the current directory
113   files.import <- list.files(here(folder_path, dir_name))
114
115   map_df(files.import, function(file_name) {
116 +
117     # Read the Excel file
118     temp <- suppressMessages(read_excel(here(folder_path, dir_name, file_name), range =
119       cell_cols("J:O"))) %>%
120 +
121     # Clean and transform the data
122     slice(-c(1, 2)) %>%           # Remove the first two rows
123     select(-2) %>%               # Remove the second column
124     mutate(across(2:5, as.numeric), # Convert columns 2 to 5 to numeric
125            t = as.numeric(hms(t)),  # Convert time to seconds
126            id = file_name) %>%     # Assign file name as identifier
127     separate(id,into = c("Sub","trial","extn"),sep = "[_\\.]") %>% # Now separate the identifier
128     into sub & trial
129     select(!c("extn"))           # Don't need file extensions in the table!
130 }
```

Getting started with the ReproRehab – Pod 3 GitHub repository

- 1) Sign up for an account with GitHub
- 2) Go to the repository link (posted on Slack)
- 3) Demo

<https://github.com/rinivarg/ReproRehab2024-Pod3>