JASP Student Developers

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Ultimate Goal

Have a self-sufficient group of students who can teach each other how to contribute to JASP

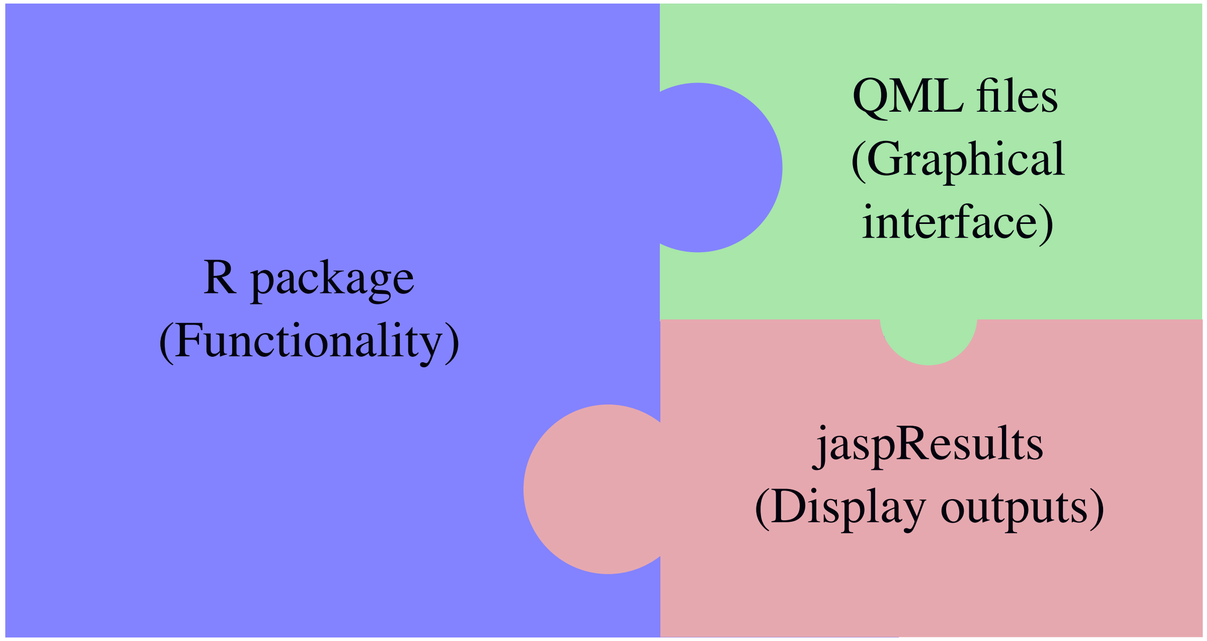
These sessions…

- … give you pointers on where to start & what to do next
- … allow you to define your own goals & pace
- … are a place to collaborate
- … allow you to ask questions to the experts
- … should not be another lecture

We’re open for feedback!

JASP under the hood

The 3 main elements
of a JASP module



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Group name

- JASP Student Developers?
- JASP Incubator?
- Click here to add your suggestion!

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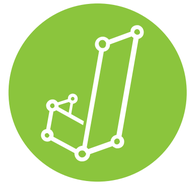

Potential tasks

- Working on JASP issues
- JASP socials
- Contributing your own module
  - JASP Hackathon (Feb 16 - 17)
- JASP verification project

Verification project

Verifying JASP analyses through comparison with other software

- JASPifying two books:
    1. Lean Six Sigma in a Digital Era by Theisens
    2. Six Sigma in Practice by Schildmeijer & Suijkerbuijk
- Reanalysing data examples in JASP (and showing them in the book)
- Concrete plans to be discussed with the firms
    - Students may join when we visit
- If you’re interested, let me know!

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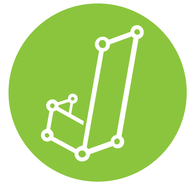

Live-Walkthrough

Using Git from RStudio

Prerequisites:

- Have Git and RStudio installed
- GitHub Account

You'll learn how to…:

- Create your own repository
- Clone a repo to your local device
- Edit/Add files in/to repo
- Commit & push changes

But first…

… you need to set up your credentials

- Go to *https://github.com/* —> *Your Profile icon* —> *Settings*
- Search for *Developer settings* on the left
- *Personal access tokens* —> *Tokens (classic)*
- *Generate new token* —> *Generate new token (classic)*
- You need to check the “repo” scope to follow along
- **Keep this token in a safe place!** (e.g., password manager)

Open RStudio and run:

```
> install.packages("gitcreds")

> gitcreds::gitcreds_set()
```

- R will prompt you to enter your PAT
- You're all set!
- For more information, click here.

Live-Walkthrough

Create a repository

- Go to *https://github.com/* —> *Your Profile icon* —> *Repositories*
- Click *New* on the top right
- Enter repo name and proceed with *Create repository*
- You'll see a Quick setup section
  - Make sure to select *HTTPS*
  - Copy the link that has the form:
  - *https://github.com/USERNAME/REPONAME.git*

Live-Walkthrough

Clone a repository

- Open RStudio —> *Project* (top-right) —> *New Project*
- Select *Version Control* —> *Git*
  - You cannot see *Version Control*? Find help here or here.
- Paste the HTTPS link under *Repository URL*
- Enter directory name and select where to store it

Live-Walkthrough

Add a file, commit & push

- Implement your changes (e.g., adding a README.md)
- Open *Git* tab on the top-right
- Stage relevant files by checking corresponding box
- Press C*ommit* —> Add message —> Press *Commit* again
- Your commit should now be visible in the *History*
- Press *Push* to push changes to GitHub

You've created your own repo and pushed changes to it!