

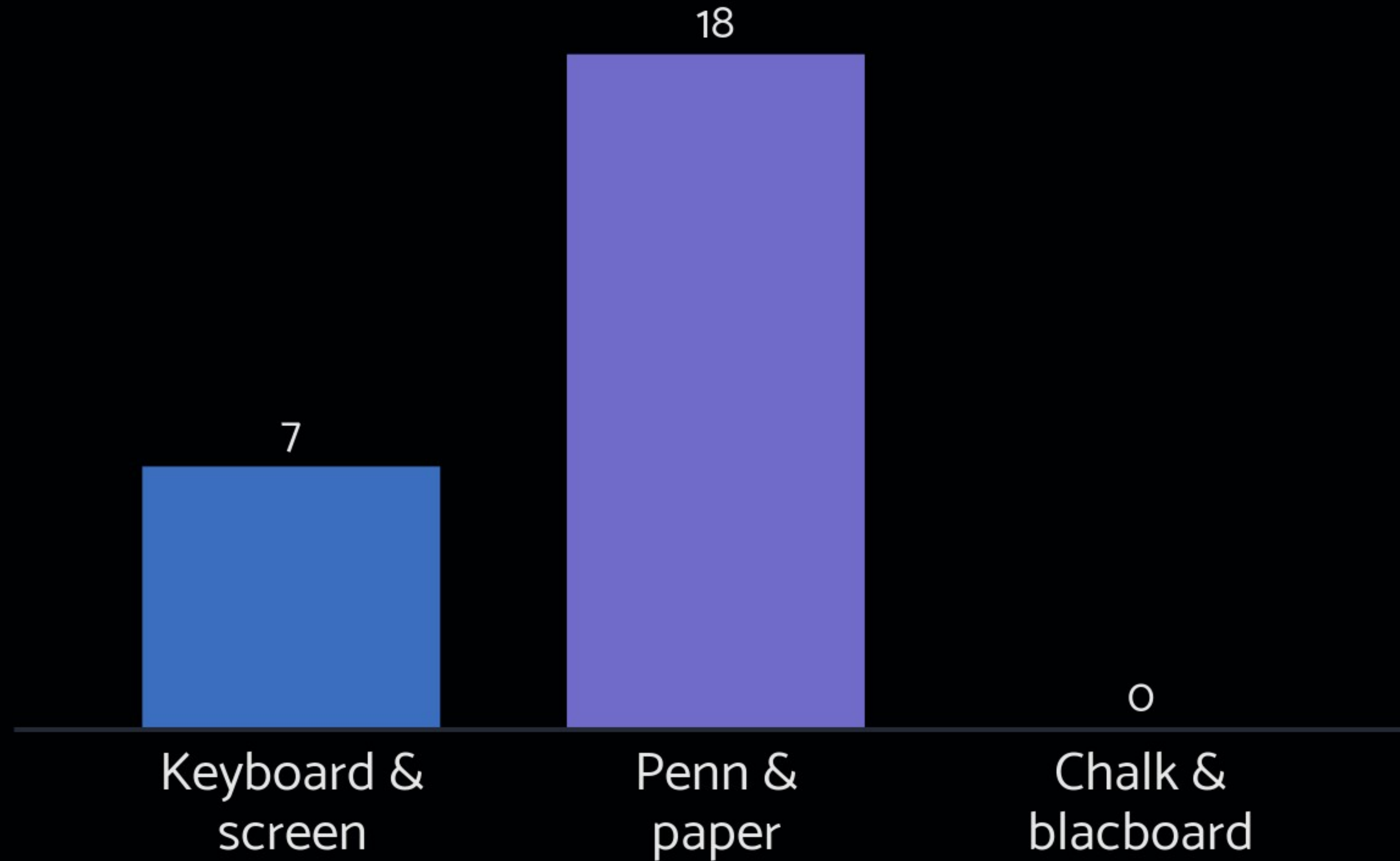


Data management

Scientificness in Mathematics 2



What are your proffered tools?



WHAT ARE YOUR RESEARCH DATA?



peer reviewed documents
meshes and patient scans financial data
numerical experiments
books articles citation
text documents
insurance data
simulations
other peoples research





Research data management – Part 1: Store



Watch later



Share



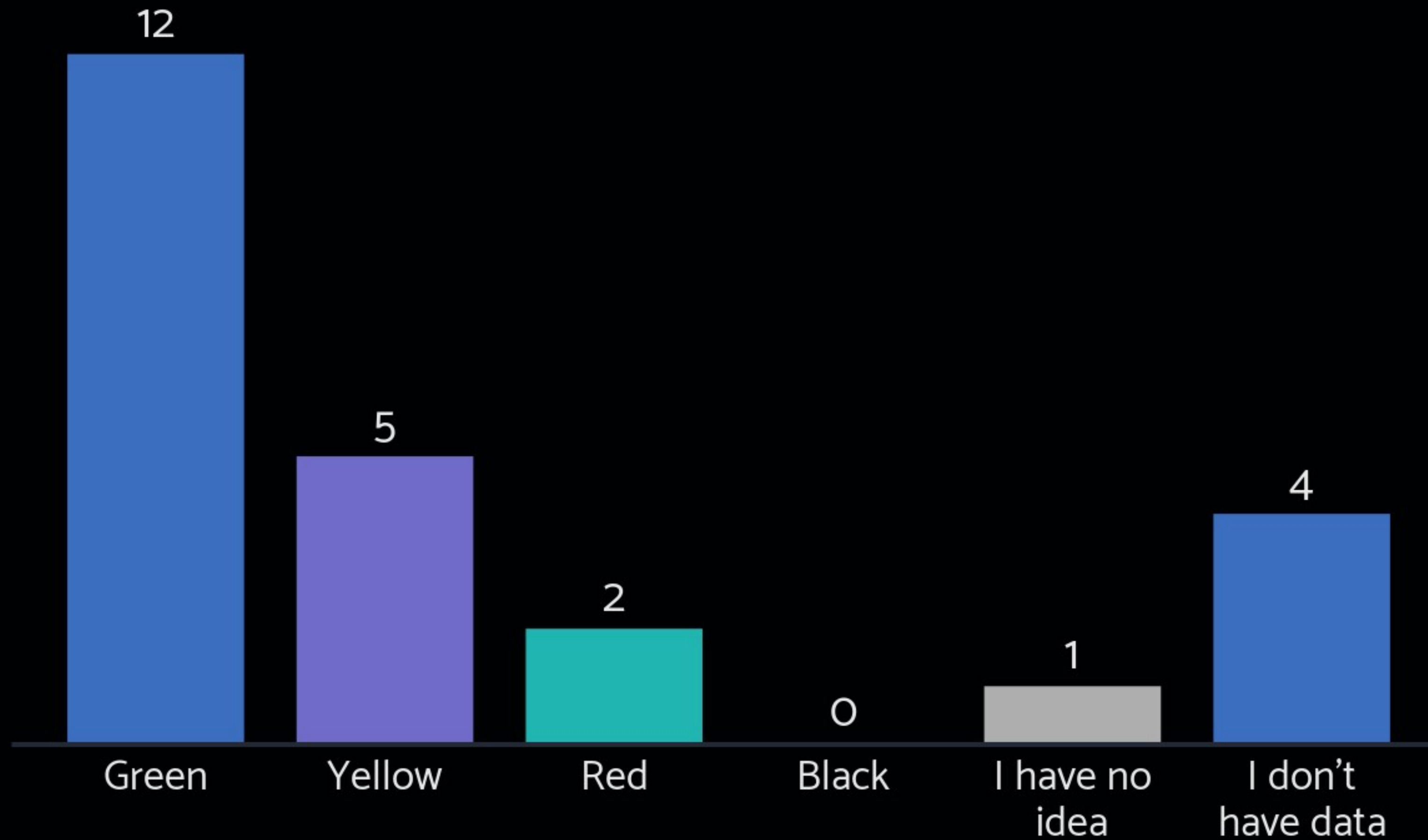
Watch on  YouTube

Research data management – Part 1: Store

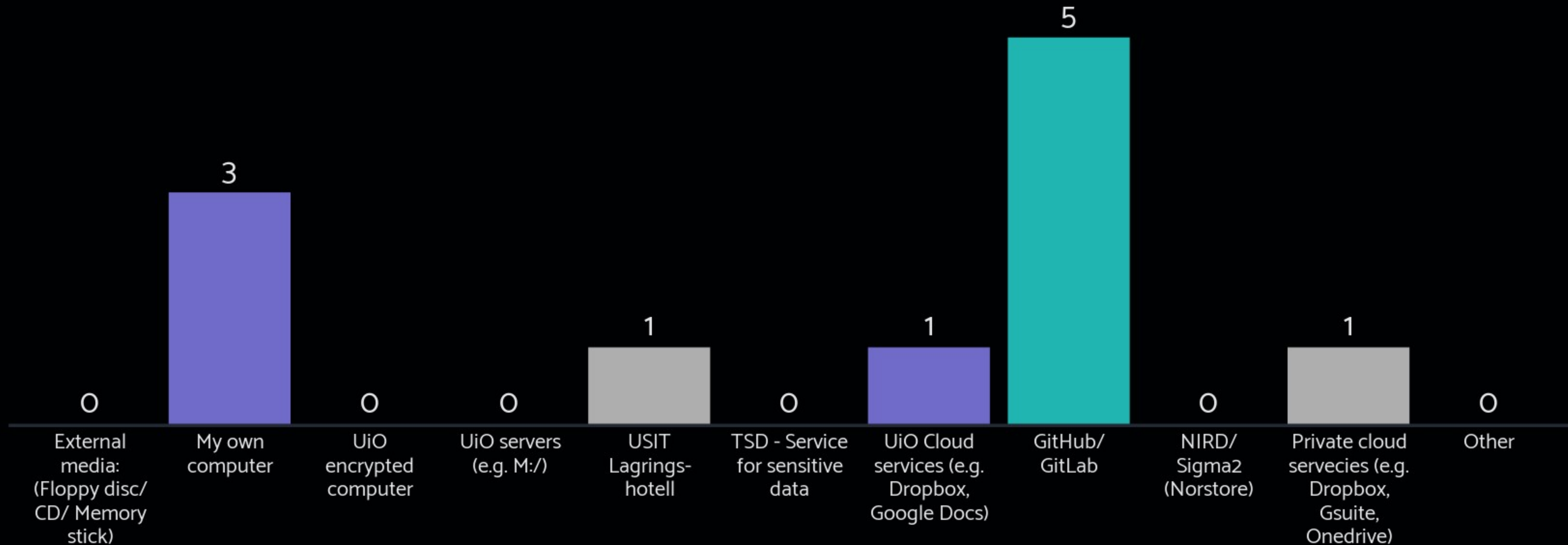
2



What colour are your data?



Where will you store your research data?



Why are storage, documentation and formats important?



access
gdpr
not losing my thesis
to reproduce results
recovery
easy to use
organisation
security
backup
easy to look up old stuff
reproducibility
for later use
to access later
ease of use





Panda video



Research data management – Part 2: Organize



Watch later



Share

Some preferred file formats

Databases: XML, CSV

Geospatial: SHP, DBF, GeoTIFF, NetCDF

Moving images: MOV, MPEG, AVI, MXF

Still images: TIFF, JPEG 2000, PDF, PNG, GIF, BMP

Tabular data: CSV

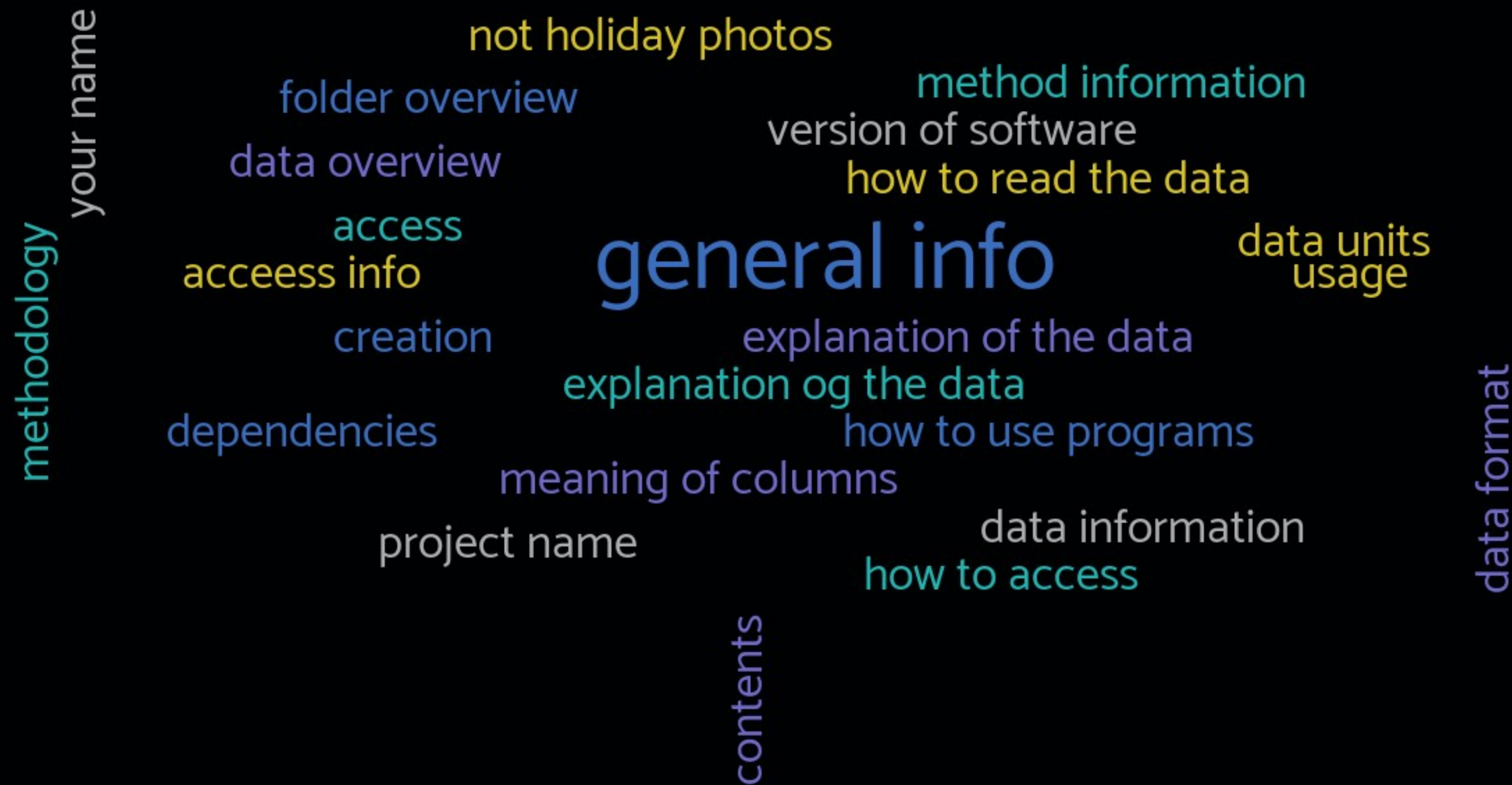
Text: XML, PDF/A, HTML, ASCII, UTF-8

6

Research data management – Part 2: Organize



What information should the readme file for your data contain?



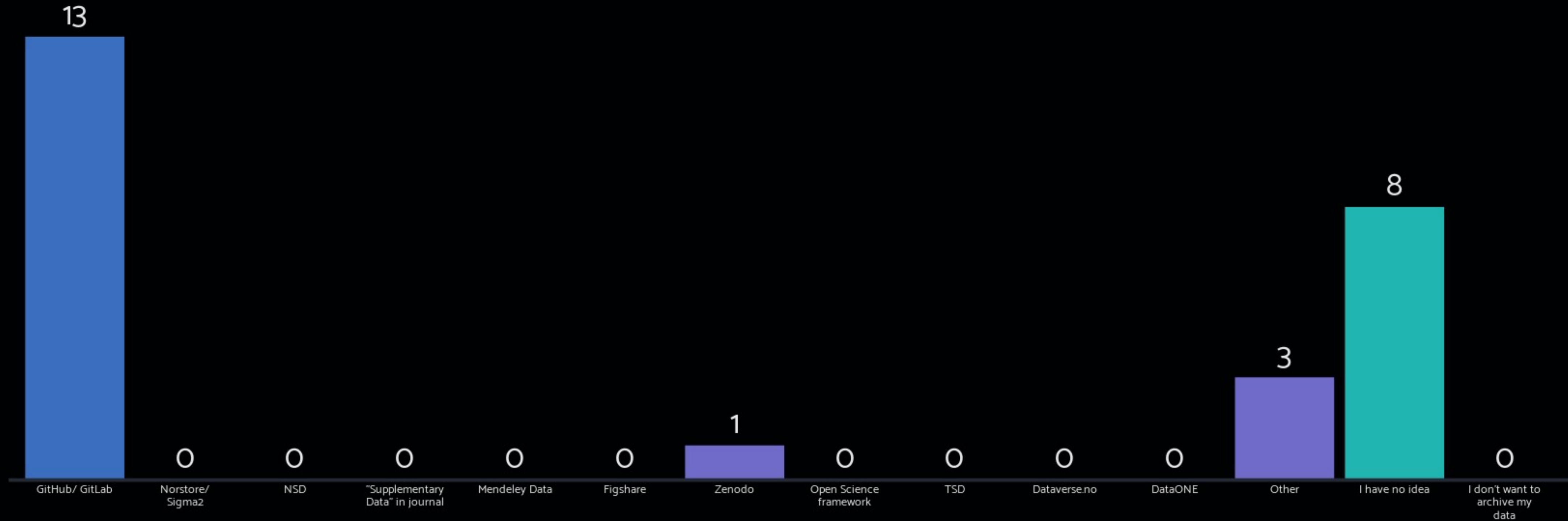


FAIR Data

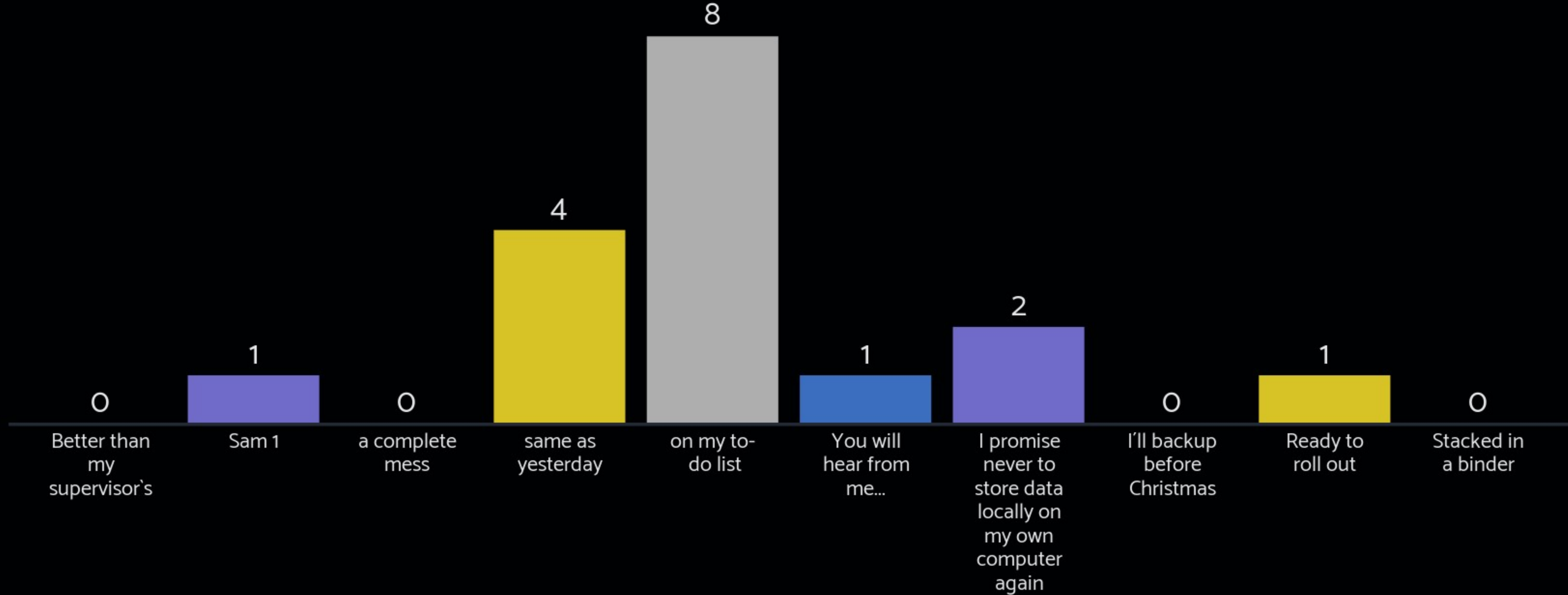


Research data management – Part 3: Archive

Where do you plan to archive your research data?



My data management strategy is now:



Questions?



Private git repos, can they store yellow data?

How should I back up my own paper?

Do you have a link(notes) for what you've talked about?

Should I be careful about commit message in github ?

What if I don't "own" the git-repo where the data is currently stored? Should I copy these data to another repo that I have administrative control over?

If I use UiO cloud service, then I will probably lose the access when graduating, what is the best strategy for that ?

