



# AWI-Gen QC Project Demo

by  
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# BIG concept

Are you making common or imperceptible mistakes in data collection?

Let's easily scan  them for you!

- Missing data
- Incorrect data entry
  - ◆ Outliers  
(recording different measurement units)



# Our process is easy



REDCap™



PostgreSQL



# Our DATA funnel

All instruments



Branching Logic



Get missing values



Get outliers



CSV report, plots, and emails





Want onsite  
delivery?

Emails with  
reports will be  
sent to you





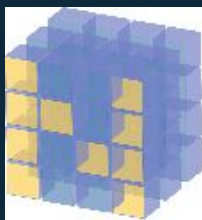
# Instructions for use

## EDIT IN EXCEL

- One individual has multiple rows containing info about all instrument issues
- Apply filters to retrieve only rows for a particular individual

Studyid	Instrument	Variable	Missing comment
AAC0C	ultrasound_and_dxa_measurements	ultr_plaque_right_min	Missing value
AET0D	substance_use	subs_alcohol_consump_freq	Missing value
AGN0C	point_of_care_testing	poc_teststrip_expiry_date	Missing value

# Technologies



NumPy



SciPy

pandas

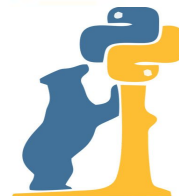
data science | big data | cloud



matplotlib



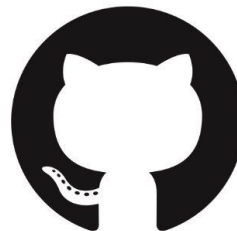
Pandas



REDCap  
Research Electronic Data Capture



PyCharm



PostgreSQL

