Part 2
Manage and Analyze Wearable Data for Your Research Using CyVerse

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## Today’s webinar outline (Part 2)

- How are we connecting to the datasource
- Launching the superset app in Cyverse
- Adding a data source to analyze from
- Understanding the visualization flow
- Hands on with Fitbit data – Queries, Charts and Dashboards
- Exporting / Importing dashboards
- Collaborating and sharing your analysis
Big picture: CyVerse + MyDataHelps + AWS

- CyVerse
- SensorFabric
- AWS
- SFTP
- Apple Watch
- Garmin
- MyDataHelps
- fitbit
- Apple
- Google
- CGM Monitors
- Smart Scales
- Oura Ring
- 1080 Sprint
- Rest API / Manual Ingestion
- Direct Parquet
- Apple HealthKit
- Google Fit
- Smart Scales
How are we connecting today

AWS

Direct Parquet

CYVERSE®

GARMIN
fitbit
Apple Watch

MyDataHelps™ DESIGNER
Live

Launching Cyverse App | Adding a datasource
How to make SQL Alchemy URI

awsathena+rest://{aws_access_key_id}:{aws_secret_access_key}@athena.{region_name}.amazonaws.com/{schema_name}?s3_staging_dir={s3_staging_dir}&...

- aws_access_key_id – AWS IAM access key
- aws_secret_access_key – AWS IAM secret key
- region_name – AWS region name, ex: us-east-1
- schema_name – Name of the Athena DB
- s3_staging_dir – S3 location were athena query results are stored.

Superset only supports up to 1024 characters for URI. So longer params like session_tokens will not fit.
The visualization flow
Live

Hands on with Fitbit data | Exporting | Importing
Thank you!

Contact me for any questions: shravanaras@arizona.edu

Additional Links

2. SQL Tutorial (Credit: Pal, Data Science Institute) – Click Here
4. Example SQL queries from today - https://github.com/UArizonaCB2/examplequeries.git
6. Documentation to Trino functions used - https://trino.io/docs/current/functions.html
7. Description of Fitbit fields and tables - https://github.com/UArizonaCB2/fitbitfields.git