



## Hackathon Team 11

https://github.com/awshackathonteam11/convint.git

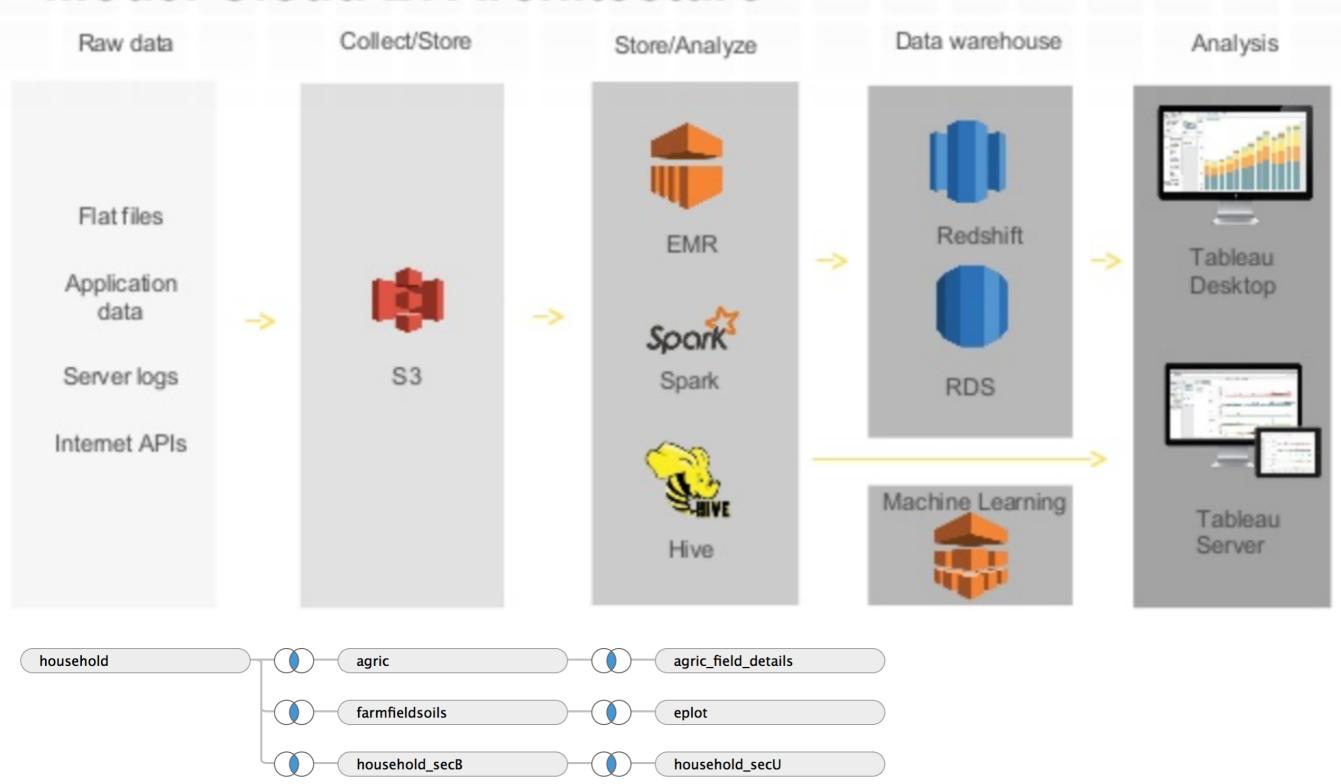
## **AWS Architecture (Proposed)**



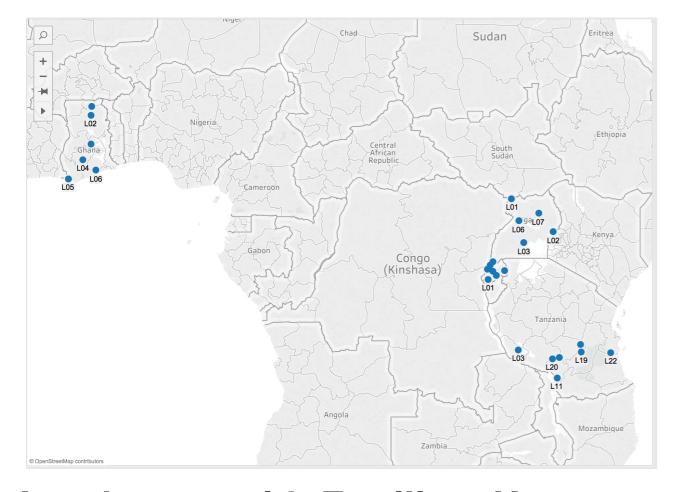
```
input {
  jdbc {
    jdbc_connection_string => "jdbc:postgresql://convint.c7sjjocud5mb.us-east-1.rds.amazonaws.com:5432/vitalsigns_staging?user=postgres&
password=postgres"
     jdbc_user => "postgres"
     jdbc_validate_connection => true
     jdbc_driver_library => "/var/tmp/pg/postgresql-9.4.1212.jre6.jar"
     jdbc driver class => "org.postgresql.Driver"
     statement filepath => "/var/tmp/pg/all.sql"
#input {
#
   s3 {
   bucket => "convint"
    access_key_id => "AKIAIHWGI5KGVS44GQNQ"
    secret_access_key => "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"
    region => "us-east-1"
    interval => "60"
    prefix => "/"
    sincedb path => "/data/convint.db"
# }
#}
if [latitude] and [longitude] {
  add field => [ "[location]", "%{longitude}" ]
   add_field => [ "[location]", "%{latitude}" ]
   convert => [ "[location]", "float" ]
```

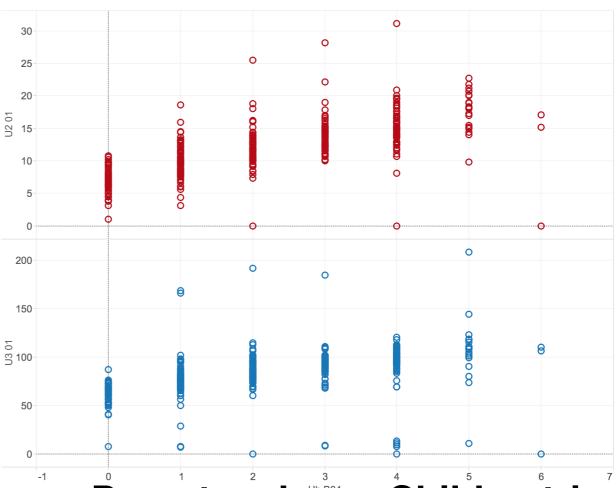


## **Model Cloud BI Architecture**



- Using only Household-level data
  - Which landscapes in a given country currently have the highest rates of fertilizer use.
  - The relationship between parent's education levels and children's nutrition status.





Landscape with Fertilizer Usage

Parents edu<sup>™</sup>vs. Child nutri.

- Using Household and Ecological data
  - o How household fuelwood gathering practices affect biomass in nearby forests.
  - o If plant species richness/biodiversity is related to soil health, in forests and in farmers fields

