

Without data you're just another person with an opinion - Workshop 5

Sourcing Data

Overview

01. Data Background

02. Tools and setup

03. Conclusion and deliverables

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Why bother

There are several use cases to how we can get valuable information from insurance data



Generating actionable insights

Reducing insurance fraud

Improving insurance risk management

Modeling customer behaviour

Creating a target customer experience

Background

The market analysis might be different but the insights and trends are still value to uncover and understand



8.6%

Are uninsured
28 mil ppl



52%

Believe it is too
expensive



15%

Don't know
what to get

Background



Column Name	Description
policy_bind_date	Starting date of the insurance policy
policy_csl	Combined Single Limits - This is the maximum value the insurer will pay out per incident
policy_annual_premium	Total dollar amount for the yearly premium
umbrella_limit	Extra insurance that provides protection beyond existing limits and coverages of other policies.
auto_make	Vehicle brand
auto_model	Vehicle model
insured_education_level	Highest qualification of the insurer
policy_deductable	Excess payment before a payout or service is conducted
insured_occupation	Profession in which the insurer work
fraud_reported	Y - a fraudulent or false claim N - a legit and valid claim

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Tools Required

The following tools will require you to create and setup an account in order to use the services. Note that we will make use of the free tiers for all services.



- Data Storage and Management
- Project Deployment Management
- Version control



- API interface
- Connect GitHub to Power BI
- Automation between tools

Using Github

Step 1

- Go to the website → <https://github.com/>

Step 2

- **Sign up** using your email address

Step 3

- **Navigate** the following repository → https://github.com/Explore-AI/Public-Data/blob/master/insurance_claims_raw.xlsx

Step 4

- **Fork the repo** onto your account

Step 5

- Congrats you are set up

Using Skyvia

Step 1

- Go to the website → <https://skyvia.com/>

Step 2

- **Sign up** using your email address

Step 3

- **Click on** the (+NEW) button → Integration → Import

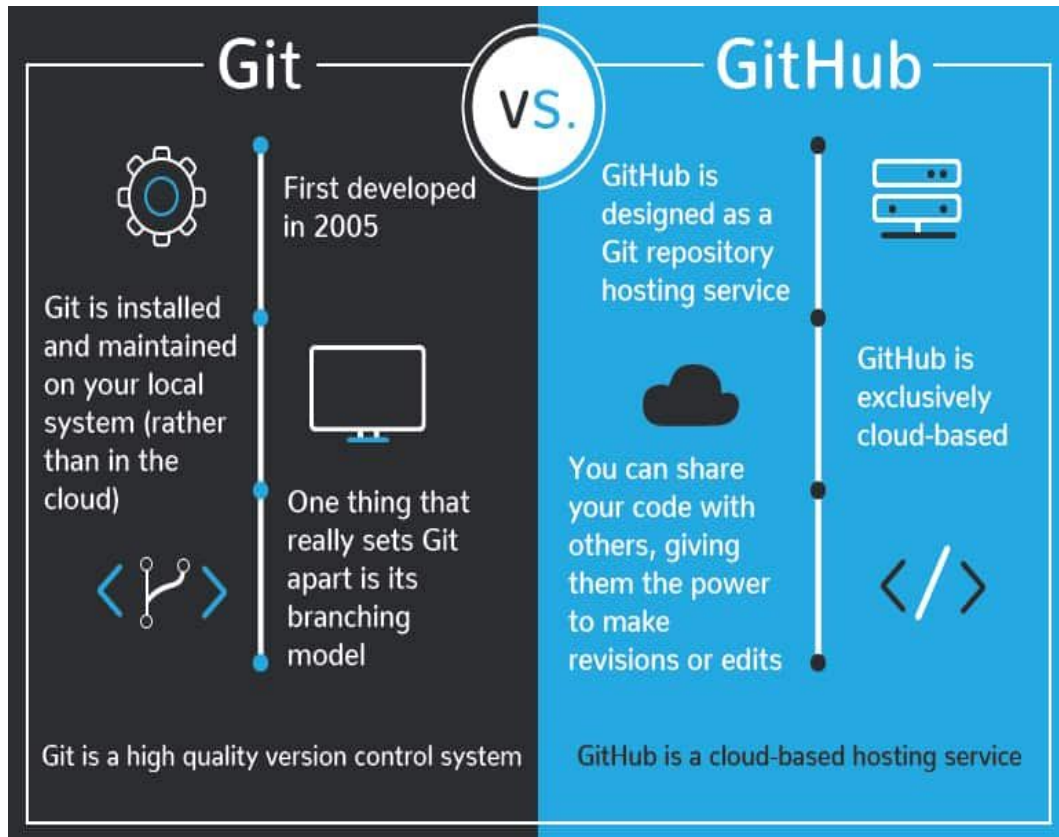
Step 4

- **Set up connection stream**

Step 5

- Congrats you are set up

Congratulations



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Conclusion and deliverable

Get access to the data via your github account

Your Checklist:

Create your Github Account

Fork the data or add it to your personal repository

Setup your Skyvia account (Optional)