**World Population Data analysis with Data Engineering and Data Analytics in Microsoft fabric.**

**Components used:**

* **Web API**
* **Data Pipeline**
* **Lake house**
* **Notebook**
* **Data wrangler**
* **PySpark**
* **Semantic model**
* **Power BI report**



**Data Pipeline**

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**Lake House (Bronze Layer)**



**Notebook**

**PySpark**

**Data Wrangler**

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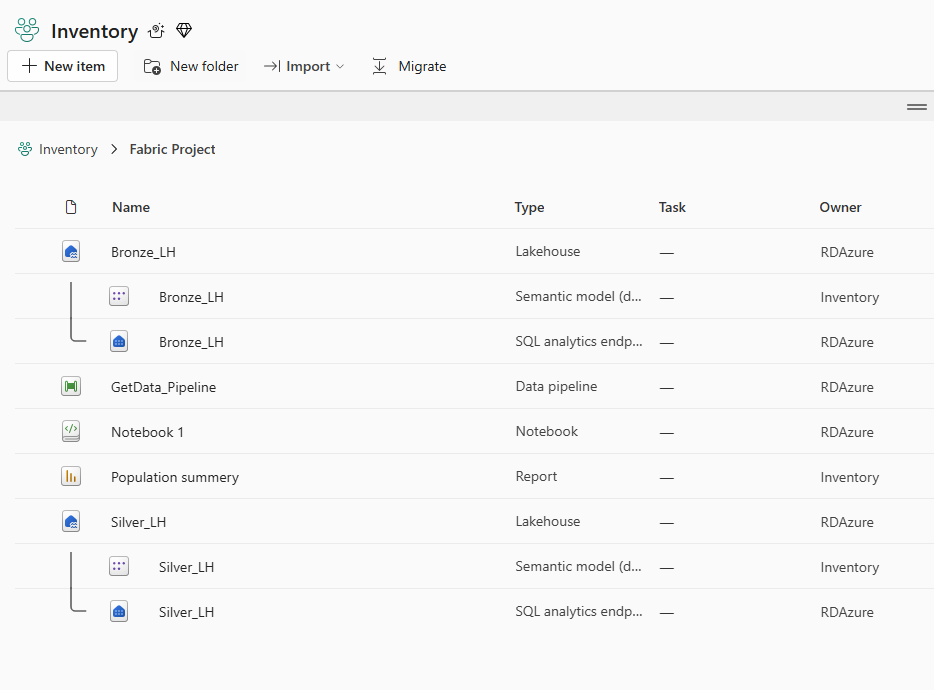
**Lake House (Siver Layer)**

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**Sematic Model (Gold Layer)**

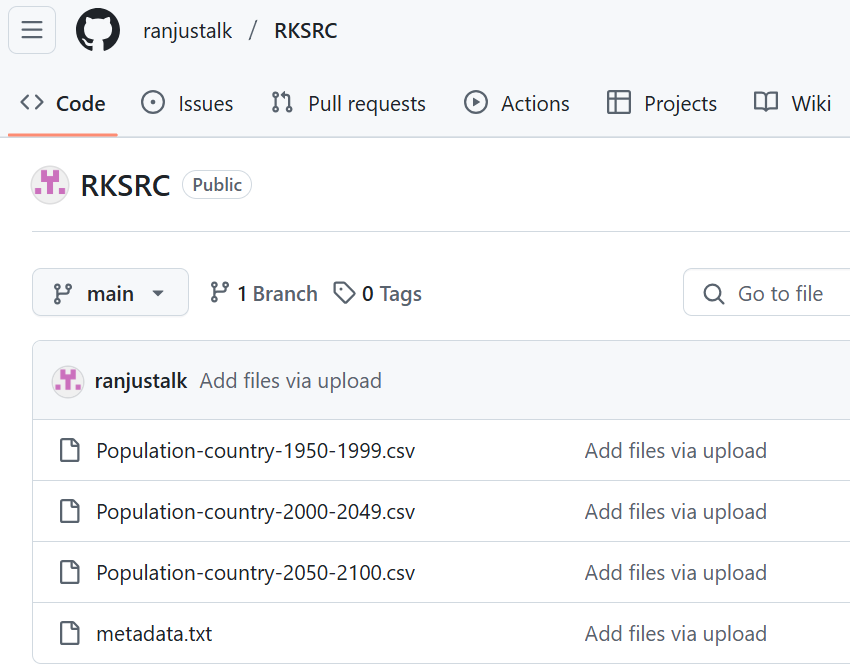


**Power BI dashboard**

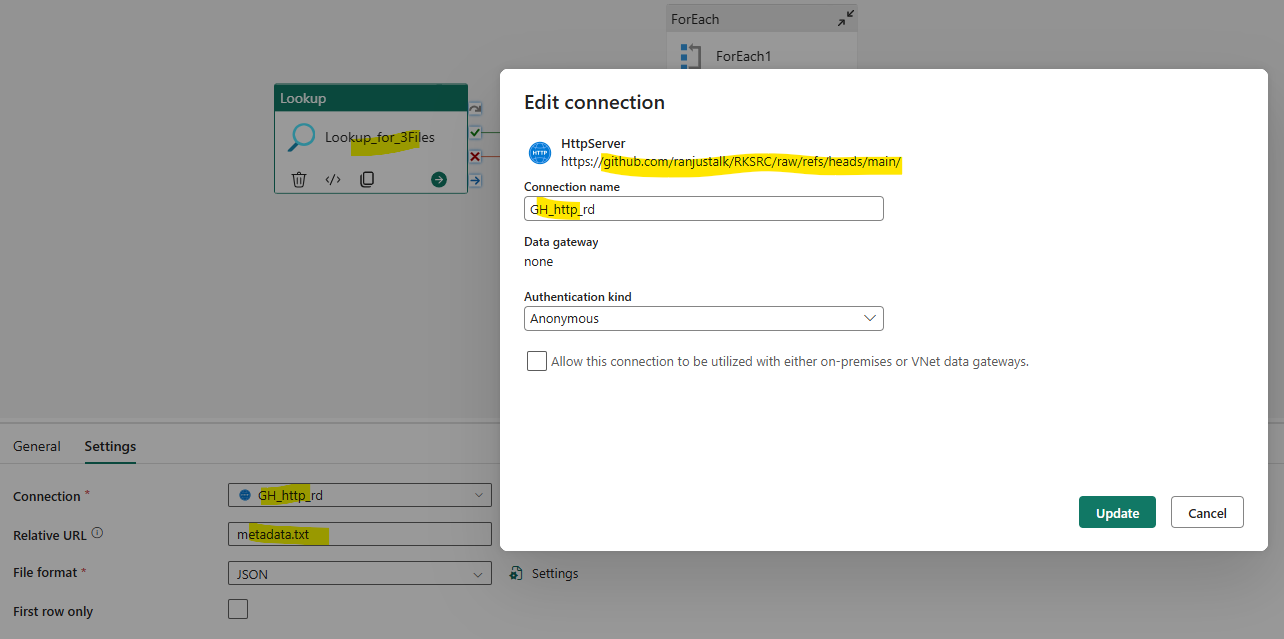
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**Source:**

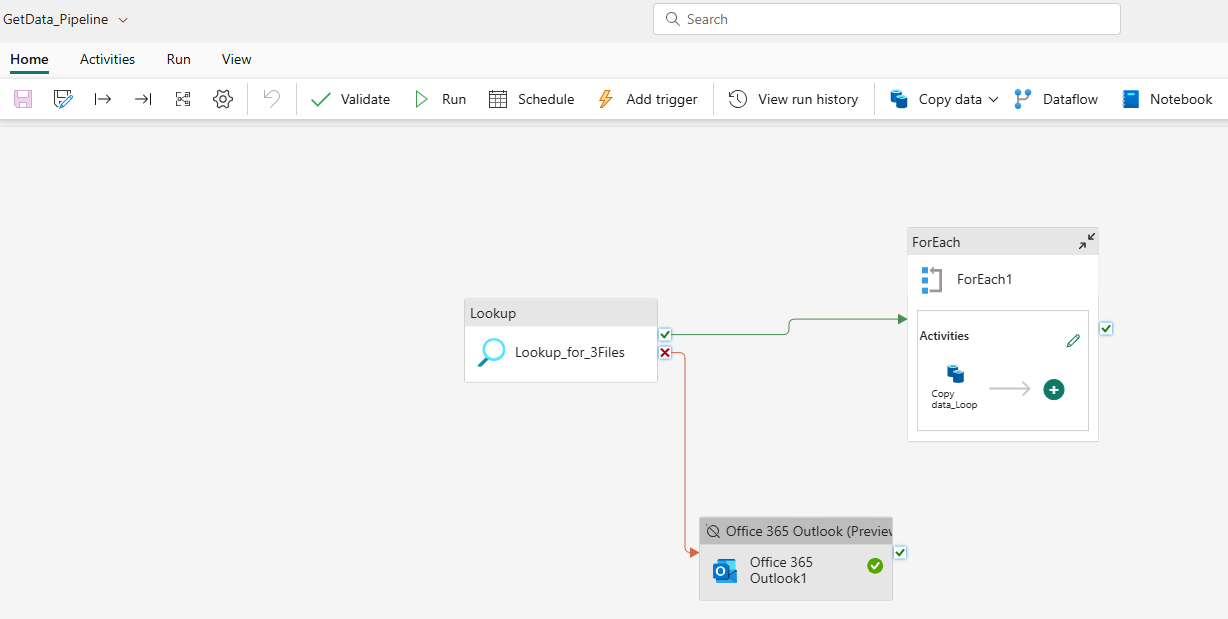
[**https://github.com/ranjustalk/RKSRC/**](https://github.com/ranjustalk/RKSRC/)

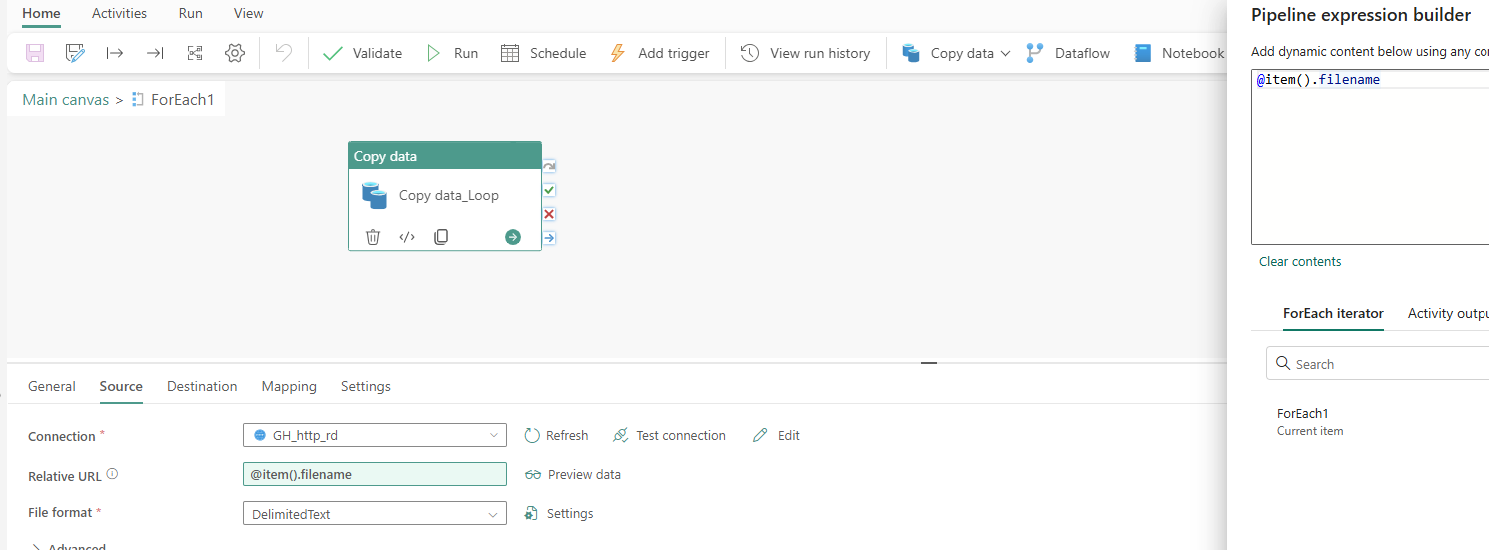
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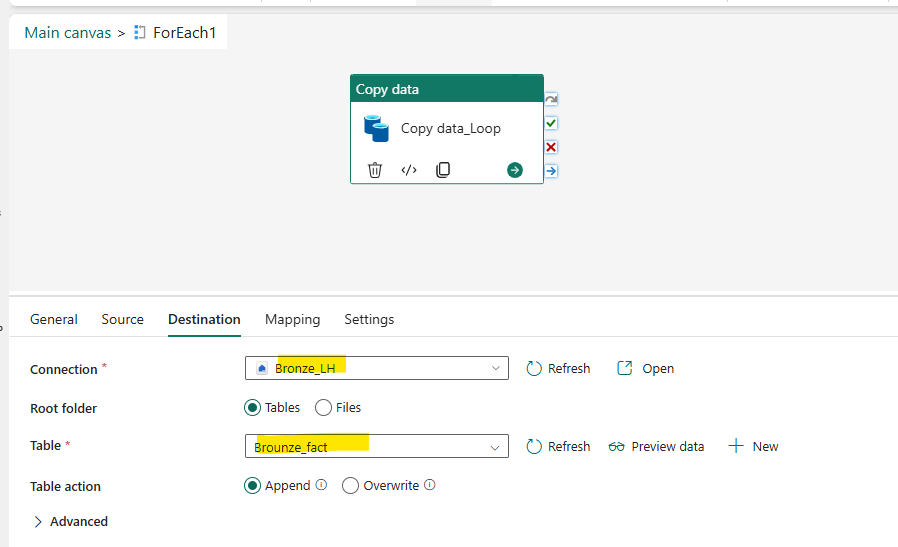
**Connection to Source:**

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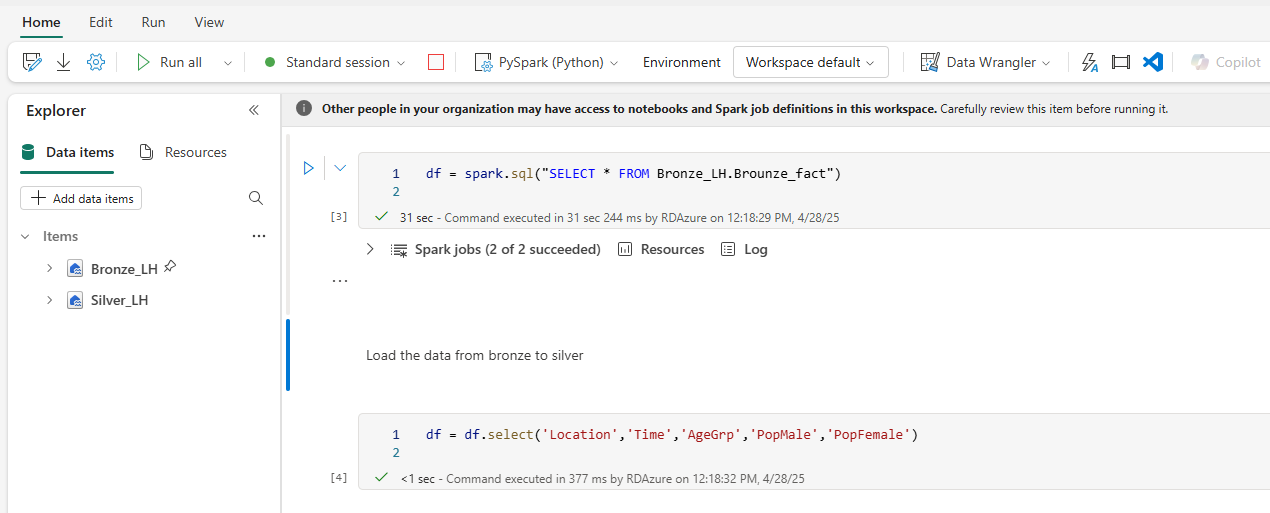
**Bronze layer (Data pipeline):**

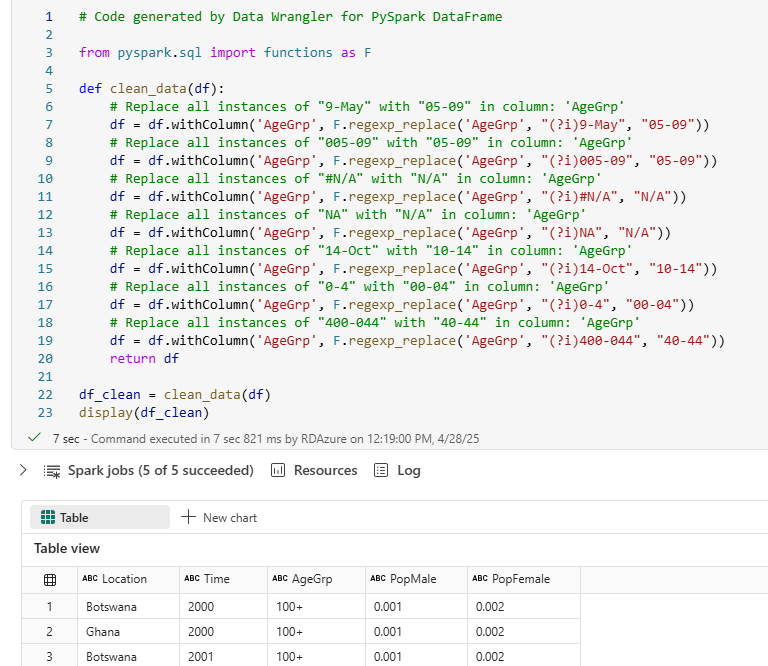
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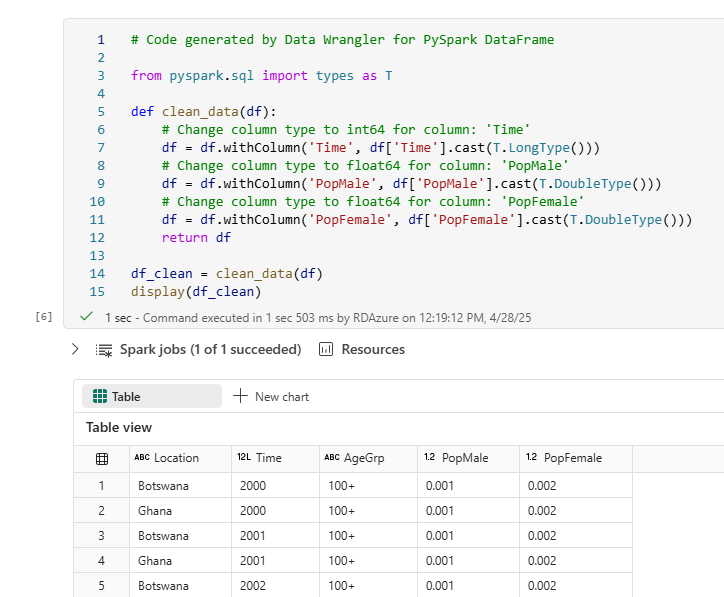
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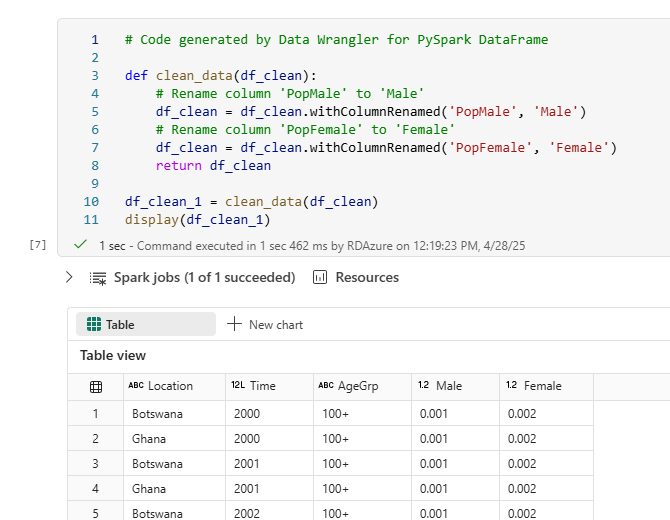
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**Silver layer (Notebook):**

Data cleaning and transformation. Using PySpark (Python) and Data Wrangler.









**Gold layer reporting / Dashboarding:**

