



# Rental Estimate Pipeline

Cliford Rojas  
EnhanceIT  
Atlanta, GA 30339

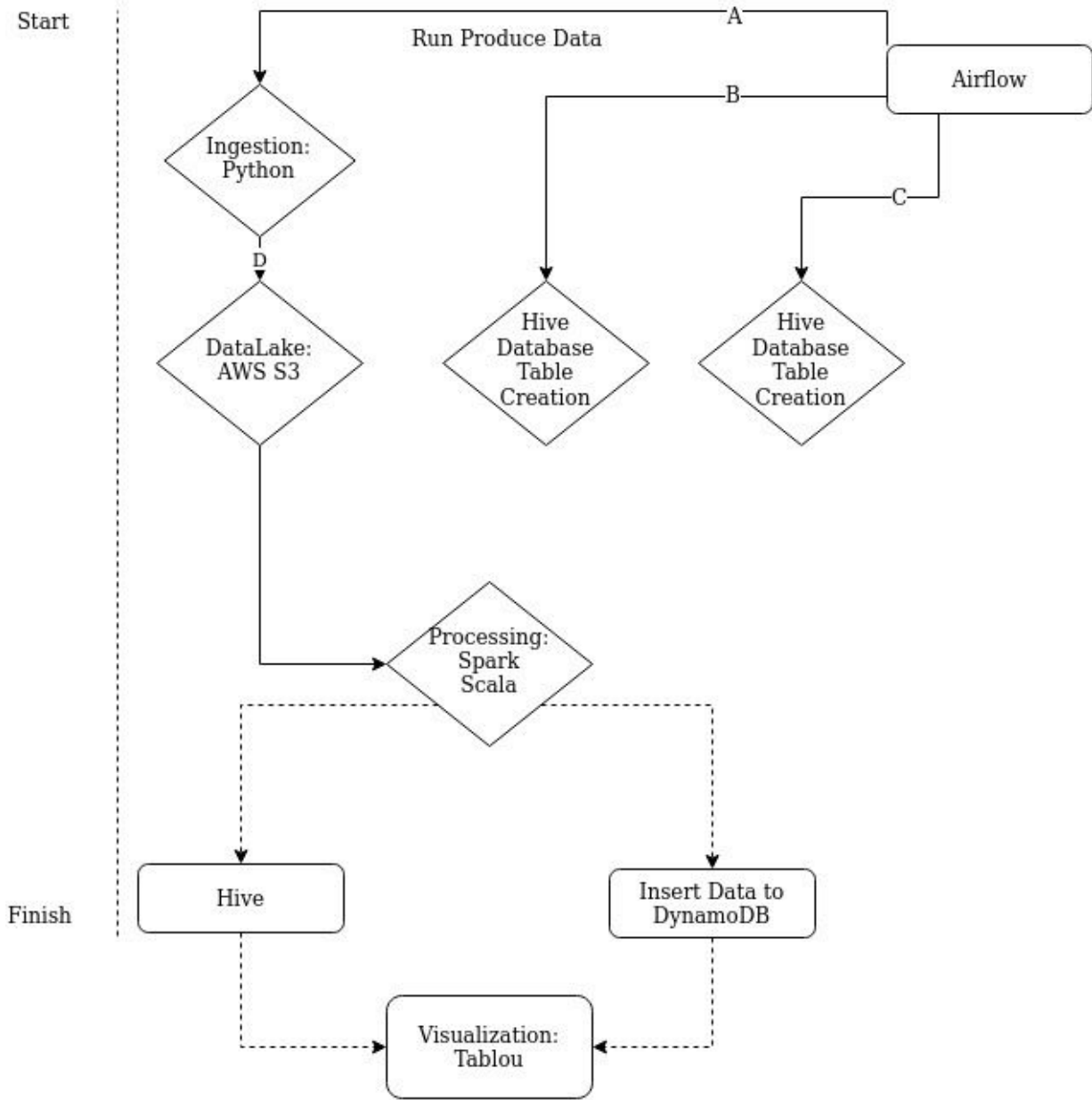
## Overview

It is well known that the cost of living has been going up and that the income/rent ratio is higher than in previous decades. The cost of renting is something that everyone is interested in and businesses want to know the value of the homes and the rates they can maximize their profits. Companies like century 21 can use this data get key information about local neighborhoods and perform some analysis to determine what rates would get enough attention and close a rental agreement

## Goals

1. Get average price in neighborhood within x,y coordinates
2. Use the data to present hotspots, hotspots being a good place to maximize rental profits.

# Specifications



## Timeline

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	Airflow Automation -Python -Hive DB -DynamoDB	Ingestion: Python: -Request toJSONFile -toS3	Ingestion: AWS Troubleshooting /Verification	Processing: -Pull JSON from S3 -Check Data -toDF	Processing: Query -DF -Select -Joins
Week 2	Hive: -Store Data -Managed Tables	Hive: -Troubleshoot	DynamoDB: -Insert Data -Query Data	DynamoDB: -Create default queries.	Visualization: -Tableau
Week 3	Testing: -Testing Pipeline	Safety Net	Complete		