

Housing Market Sales Dashboard

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Background

Motivation

- Housing prices have seen unprecedented y-o-y increases
- Homebuyers need real-time data to understand market trends
- Redfin is one of the most widely used website by homebuyers
- While data is available, there is no aggregate view

Objective

- Build interactive dashboards to display up-to-date housing market trends, key statistics and graphs



Data Ingestion

Recently Sold Main Page

The screenshot shows the Redfin website's 'Recently Sold' page for Seattle. The browser address bar displays 'redfin.com/city/16163/WA/Seattle/recently-sold'. The page features a map of Seattle on the left with various neighborhoods labeled. On the right, the 'Recent Home Sales in Seattle' section is visible, showing a list of 40 homes. The first two listings are highlighted: a 1 Bed, 1 Bath, 680 Sq. Ft. home at 7723 20th Ave NE, Seattle, WA 98115, sold for \$705,000; and a 3 Beds, 2.5 Baths, 1,620 Sq. Ft. home at 2213 E Yesler Way Unit B, Seattle, WA 98122, sold for \$787,500. The page also includes a search bar, navigation links, and a 'Save Search' button.

Individual House Listing

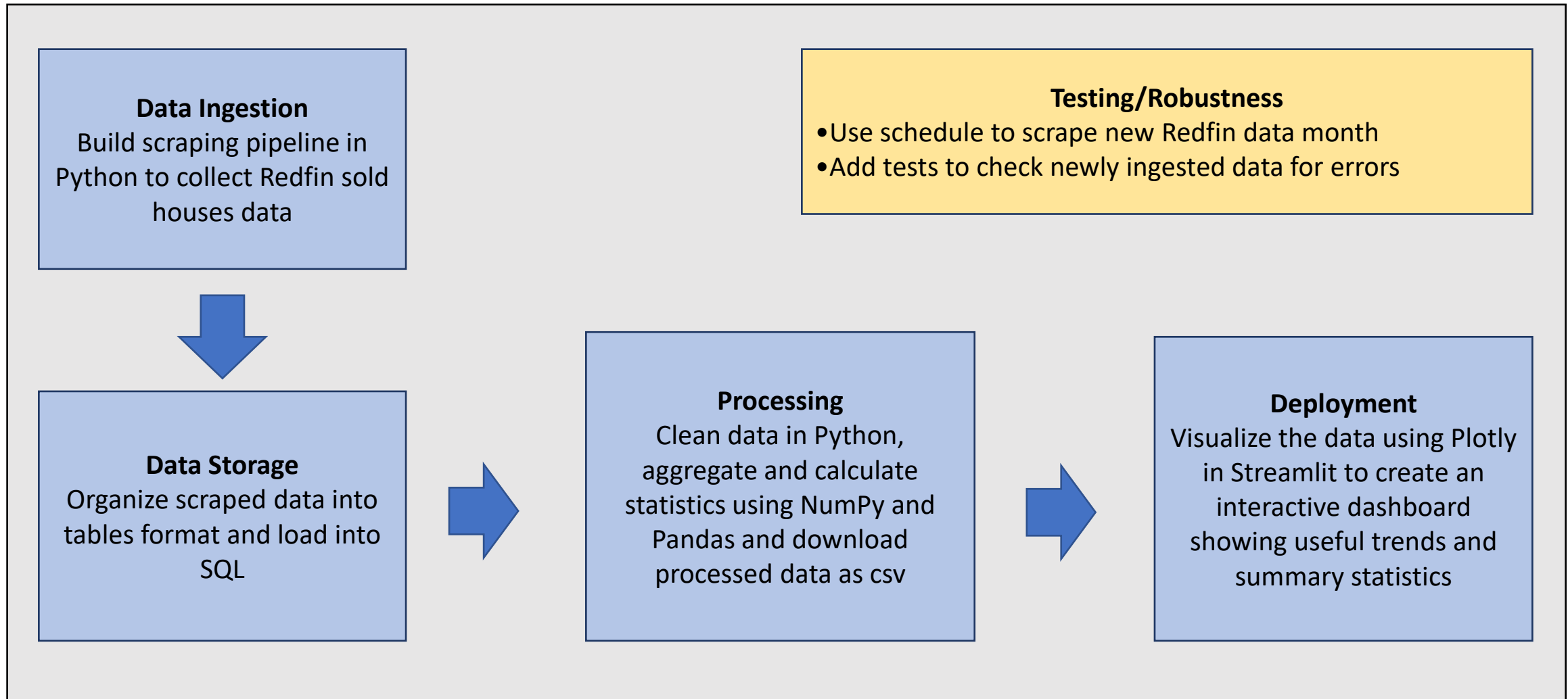
The screenshot shows the Redfin website's individual house listing page for 5047 44th Ave S, Seattle, WA 98118. The browser address bar displays 'redfin.com/WA/Seattle/5047-44th-Ave-S-98118/home/492782'. The page features a large photo of the house, a 'Video Tour' button, and a 'Floor Plans' button. The listing details are as follows:

Property Address	Sold Price	Beds	Baths	Sq Ft
5047 44th Ave S, Seattle, WA 98118	\$966,000	3	2	1,720

The page also includes a 'Recently Sold' section stating 'This home sold 5 days ago.' and a 'Is this your home?' section with a claim button.

Scraping pipeline designed to download sold homes data from Redfin, then scrape additional home specific information from house listing link

Pipeline Design



Deployment

