

# Real Estate Data Scraping & Analysis

## Project Overview:

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1	SALE			SOLD			
2	SITUS ZIP	Min	Max	Min	Max	Avg. Price	Avg. Price/acre
3	28462	0.12	0.52	0.1	3	\$124,618	\$198,413
4							
5							
6							

In this project, I conducted an in-depth **Real Estate Data Scraping & Analysis** for properties listed on **Zillow** and **TheLandPortal**, along with similar platforms such as **Redfin**, **Realtor.com**, **DataTree**, **ParcelFact**, and **Google Earth**. The primary objective was to extract, clean, and analyze property data to identify key market trends, optimize pricing strategies, and improve investment decision-making.

## Scope of Work:

### 1 Data Collection from Zillow & Similar Platforms

Buy Rent Sell Home Loans Find an Agent **Zillow** Manage Rentals Advertise Help

28462 For Sale \$90K-\$270K Beds & Baths Home Type (1) More (1) Save search

Schools Remove Boundary X

28462 Real Estate & Homes For Sale 27 results Sort: Lot Size

Manually searched properties using ZIP Code (e.g., 28462)

Filtered properties categorized as **Manufactured Property**

Extracted **Min Acre & Max Acre** and **Avg. Price, Avg. Price/acre** for properties priced between **\$90K – \$270K**

Documented property details, including location, acreage, and pricing

## 2 Identifying Comparable Properties on TheLandPortal & Other Platforms

zillow.com/supply-nc-28462/?s... Main page - The Land Portal

thelandportal.com

APN North Carol... Brunswick 231GB017 NC Brunswick County ZIP: 28462

**FULLWOOD BRADLEY**  
2571 ABERDEEN ST SW, SUPPLY, NC

KML Skip trace Slope

**Property Overview** All owner's properties

Owner Name	FULLWOOD BRADLEY
Parcel ID	231GB017
Parcel Address	2571 ABERDEEN ST SW
Acres	0.1
Building SqFt	0
Parcel SqFt	4258.0
Land Locked	No
Road Frontage	50.00 ft

**Parcel Address**

Parcel ID	231GB017
Parcel Address	2571 ABERDEEN ST SW
Parcel Address City	SUPPLY
Parcel Address Zip Code	28462

Used **APN Code, State Name, and County Name** to locate specific parcels

Instead of extracting direct property information, I collected **neighboring property addresses**

Leveraged these addresses on **Zillow & Realtor.com** to obtain **Zestimate values**

### 3 Data Compilation & Cleaning

Welch Steward																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Lot Acres	Purch Yr	Purch Price	20% PP	Adj Home Value	5% Adj HV	Adj Home Addr	TFR Offer %	TFR Offer Price	Average PPA	Avg Offer %	Avg Offer Price	Parcel County	Parcel Zip	APN	OWNER 1 FL
2	0.413		\$15,000.00	\$ 3,000.00		\$ -		7%	\$ 4,040.35	\$139,756.00	20%	\$ 11,543.85	Garland	71913	030912	Johnson Will
3	0.68		\$0.00	\$ -		\$ -		7%	\$ 4,910.13	\$103,154.00	20%	\$ 14,028.94	Garland	71901	100-01968-00	Mauldin Che
4	1.181	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 11,553.63	\$139,756.00	20%	\$ 33,010.37	Garland	71913	025262	Stout Charles
5	2.31	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 16,680.00	\$103,154.00	20%	\$ 47,657.15	Garland	71901	083488	Wages Vicki
6	0.413		\$0.00	\$ -		\$ -		7%	\$ 4,040.35	\$139,756.00	20%	\$ 11,543.85	Garland	71913	015726	Oseguera De
7	2		\$0.00	\$ -		\$ -		7%	\$ 9,408.28	\$ 67,202.00	20%	\$ 26,880.80	Garland	71964	012893	Childers Carc
8	10.46	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 75,529.36	\$103,154.00	20%	\$ 215,798.17	Garland	71901	100-01792-00	Heinemann F
9	2.72	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 26,609.54	\$139,756.00	20%	\$ 76,027.26	Garland	71913	088521	Scholl Lyndo
10	1.904	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 6,588.83	\$ 49,436.00	20%	\$ 18,825.23	Garland	71956	081296	Castle David
11	2.7	2019-03-28	\$55,000.00	\$ 11,000.00		\$ -		7%	\$ 8,167.64	\$ 43,215.00	20%	\$ 23,336.10	Garland	71909	100-00860-00	Womble Mic
12	0.287	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 706.18	\$ 35,151.00	20%	\$ 2,017.67	Garland	72087	056798	Webb Ozie
13	0.82	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 3,857.39	\$ 67,202.00	20%	\$ 11,021.13	Garland	71964	012958	Mccaslin Rar
14	0.407	2018-05-29	\$15,250.00	\$ 3,050.00		\$ -		7%	\$ 3,981.65	\$139,756.00	20%	\$ 11,376.14	Garland	71913	089060	Jenkins Wall
15	3.01	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 16,968.72	\$ 80,535.00	20%	\$ 48,482.07	Garland	71968	090373	Crank Michael
16	0.273	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 944.72	\$ 49,436.00	20%	\$ 2,699.21	Garland	71956	056754	Lewis Elbert
17	3		\$0.00	\$ -		\$ -		7%	\$ 3,292.17	\$ 15,677.00	20%	\$ 9,406.20	Garland	71949	090704	Barfield Jean
18	0.275		\$0.00	\$ -		\$ -		7%	\$ 1,985.71	\$103,154.00	20%	\$ 5,673.47	Garland	71901	042383	Reynolds Bri
19	0.97		\$0.00	\$ -		\$ -		7%	\$ 4,563.02	\$ 67,202.00	20%	\$ 13,037.19	Garland	71964	082561	Foreman Ste
20	1.85	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 18,098.40	\$139,756.00	20%	\$ 51,709.72	Garland	71913	023666	Holder Roger
21	5.07	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 15,337.00	\$ 43,215.00	20%	\$ 43,820.01	Garland	71909	100-03518-00	Welch Stewa
22	0.956		\$208.00	\$ 41.60		\$ -		7%	\$ 5,389.40	\$ 80,535.00	20%	\$ 15,398.29	Garland	71968	024174	Bright Seth
23	0.304	1905-06-15	\$0.00	\$ 4,200.00		\$ -		7%	\$ 2,974.01	\$139,756.00	20%	\$ 8,497.16	Garland	71913	026277	Dalrymple Fa
24	0.548		\$32,750.00	\$ 6,550.00		\$ -		7%	\$ 5,361.04	\$139,756.00	20%	\$ 15,317.26	Garland	71913	108610	Brown Prope
25	0.813		\$0.00	\$ 23,200.00		\$ -		7%	\$ 5,870.49	\$103,154.00	20%	\$ 16,772.84	Garland	71901	017411	Tak Integrati
26	4.47	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 15,468.52	\$ 49,436.00	20%	\$ 44,195.78	Garland	71956	101003	Estell Ricky E
27	0.264	1905-06-22	\$0.00	\$ 3,600.00		\$ -		7%	\$ 2,582.69	\$139,756.00	20%	\$ 7,379.12	Garland	71913	028082	Reed Stephe
28	1.22	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 5,739.05	\$ 67,202.00	20%	\$ 16,397.29	Garland	71964	013363	Morehead El
29	0.38	2018-01-12	\$28,500.00	\$ 5,700.00		\$ -		7%	\$ 3,717.51	\$139,756.00	20%	\$ 10,621.46	Garland	71913	081172	Eubanks Cha
30	3.66	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 4,016.45	\$ 15,677.00	20%	\$ 11,475.56	Garland	71949	015195	Head Andre
31	1.44	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 6,773.96	\$ 67,202.00	20%	\$ 19,354.18	Garland	71964	012874	Castorina An
32	1.08		\$35,000.00	\$ 7,000.00		\$ -		7%	\$ 10,565.55	\$139,756.00	20%	\$ 30,187.30	Garland	71913	087179	Smith Barb

- ✓ Organized data in **Google Sheets / Excel** for analysis
- ✓ Applied **filters, sorting, and basic statistical calculations** for insights
- ✓ Created a structured dataset with **property acreage, pricing, and trends**

### 4 Data Analysis & Insights

- ✓ Identified high-value areas based on **Zestimate valuation trends**
- ✓ Compared property price fluctuations across different counties
- ✓ Suggested potential investment opportunities based on **ROI and property appreciation trends**

### Tools & Platforms Used:

- ♦ **Real Estate Data Platforms:** Zillow, TheLandPortal, Redfin, Realtor.com, DataTree, ParcelFact, Google Earth
- ♦ **Manual Data Collection & Entry:** Excel / Google Sheets
- ♦ **Data Visualization & Reporting:** Power BI / Google Data Studio
- ♦ **Web Scraping (Planned for Future Use):** Selenium + BeautifulSoup
- ♦ **Database Management (Planned):** SQL for structured data storage

### Future Automation Implementation Plan

To improve efficiency and scalability, I am currently working on automating the process using **Python (Selenium + BeautifulSoup)**. The next phase will include:

- ✓ **Automated Data Scraping:** Eliminating manual searching and extracting property data programmatically
- ✓ **Database Integration:** Storing property records in a structured **SQL database**
- ✓ **Automated Data Cleaning:** Using **Pandas & NumPy** for faster processing
- ✓ **Real-Time Analysis & Dashboards:** Implementing **Power BI & Python Visualizations**

## Key Takeaways & Business Impact

- ✓ Improved accuracy in **property valuation and trend forecasting**
- ✓ Enhanced efficiency in **lead generation for real estate investments**
- ✓ Reduced manual effort through **semi-automated processes**
- ✓ Prepared for **full automation implementation** to handle large-scale datasets

## Conclusion

With my current experience in **manual data collection and analysis**, I have gained in-depth knowledge of **real estate data extraction** using platforms like **Zillow, TheLandPortal, Redfin, Realtor.com, DataTree, ParcelFact, and Google Earth**. Moving forward, I am actively working on automating the entire process using **Python and web scraping tools** to increase efficiency and deliver more scalable solutions for real estate market analysis.

Project created by  Sufian