

Real Estate Data Scraping & Analysis

Project Overview:

	AH	BD	BF	EK	GR	IJ	IK	IL	IM	IN	IO	IP	IQ	IR
1	SITES ZIP CODE	APN - FORMATT	ALTERNATE APN	LOT ACREAGE	OT-SALE DATE	Adj Value	Adj Address							
86	28462	231Gb017	2.00612E+11	0.10	2024-01-12	\$76,700	2352 Shoreline Dr SW, Supply, NC 28462							
88	28462	2160001102	2.02718E+11	0.10	2007-10-22	\$98,400	2394 Vermont Ln SW, Supply, NC 28462							
170	28462	216Eb012	2.02716E+11	0.12	2023-06-16	\$83,600	516 Hexagon Dr SW, Supply, NC 28462							
174	28462	231b03901	2.00613E+11	0.12	2013-06-12	\$58,500	3096 Gill Net Ave SW, Supply, NC 28462							
207	28462	231Jl022	2.00614E+11	0.12	2012-08-02	\$105,400	2453 Ann Boney Dr SW, Supply, NC 28462							
208	28462	231Jl023	2.00614E+11	0.12	2020-09-24	\$108,800	2448 Captain Kidd Dr SW, Supply, NC 28462							
212	28462	232Ff049	2.02613E+11	0.12	2021-07-20	\$120,900	2900 John D Robinson St SW, Supply, NC 28462							
324	28462	2160b00801	2.01609E+11	0.13	2012-12-06	\$87,700	2566 Milliken Ave SW, Supply, NC 28462							
369	28462	231Jh011	2.00618E+11	0.13	2015-02-25	\$215,400	2871 Pirate Ln SW, Supply, NC 28462							
370	28462	231Jl065	2.00616E+11	0.13	2012-05-24	\$85,800	2380 Ralshore St SW, Supply, NC 28462							
371	28462	231Jl017	80146241	0.13	2020-06-17	\$167,500	2497 Ann Boney Dr SW, Supply, NC 28462							
425	28462	230Nb018	1.09618E+11	0.14	2020-10-06	\$161,900	3543 Lakeview Dr SW, Supply, NC 28462							
440	28462	231La022	2.01618E+11	0.14	2010-01-27	\$171,200	(Undisclosed Address), Supply, NC 28462							
676	28462	215Ka036	2.00721E+11	0.15	2015-02-02	\$110,300	2012 Fir Street SW, Supply, NC 28462							
726	28462	232Ba023	2.01613E+11	0.15	2020-06-16	\$76,500	2661 McLamb Ave SW, Supply, NC 28462							
880	28462	230Le002	1.09621E+11	0.16	2021-12-07	\$76,500	2661 McLamb Ave SW, Supply, NC 28462							
1020	28462	230Mc032	1.09621E+11	0.17	2017-07-28	\$280,600	3224 Edgewood Ave SW, Supply, NC 28462							
1455	28462	200Bb030	2.01817E+11	0.18	2024-03-25	\$242,600	710 S Windward Drive SW, Supply, NC 28462							
1458	28462	200Bc002	2.02813E+11	0.18	2012-09-04	\$107,700	625 Southwind Dr SW, Supply, NC 28462							
1676	28462	231Jb031	2.00616E+11	0.19	2016-06-14	\$167,500	2678 Seashore Rd SW, Supply, NC 28462							

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

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

Permanent foundation
\$225,000
3 bds | 2 ba | 1,904 sqft - Home for sale
2184 Creekwood Court SW, Supply, NC 28462
JOHN VESCO INC.

Open floor plan
\$240,000
3 bds | 2 ba | 919 sqft - Home for sale
2610/2614 Penny Street SW, Supply, NC 28462
COLDWELL BANKER SEA COAST ADVANTAGE

Spacious kitchen
\$229,000
3 bds | 2 ba | 1,296 sqft - Home for sale
2447 Pinewood Drive SW, Supply, NC 28462
COASTAL DEVELOPMENT & REALTY

22 days on Zillow
\$250,000
3 bds | 2 ba | 1,415 sqft - Home for sale
684 Sandy Bluff Drive SW, Supply, NC 28462
RE/MAX SOUTHERN SHORES

- ✓ 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 Q: 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

Map Filters & View

- ✓ 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 Addre	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	7.72	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 Ozle
13	0.82	1900-01-00	\$0.00	\$ -		\$ -		7%	\$ 3,857.39	\$ 67,202.00	20%	\$ 11,021.13	Garland	71964	012958	Mccasin Lar
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 Roge
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 Stew
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 Ani
32	1.08		\$35,000.00	\$ 7,000.00		\$ -		7%	\$ 10,565.55	\$139,756.00	20%	\$ 30,187.30	Garland	71913	087179	Smith Barbar

- ✓ 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