

House Price Prediction Using Machine Learning

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Why Housing Predictions ?

Prediction of house prices are expected to

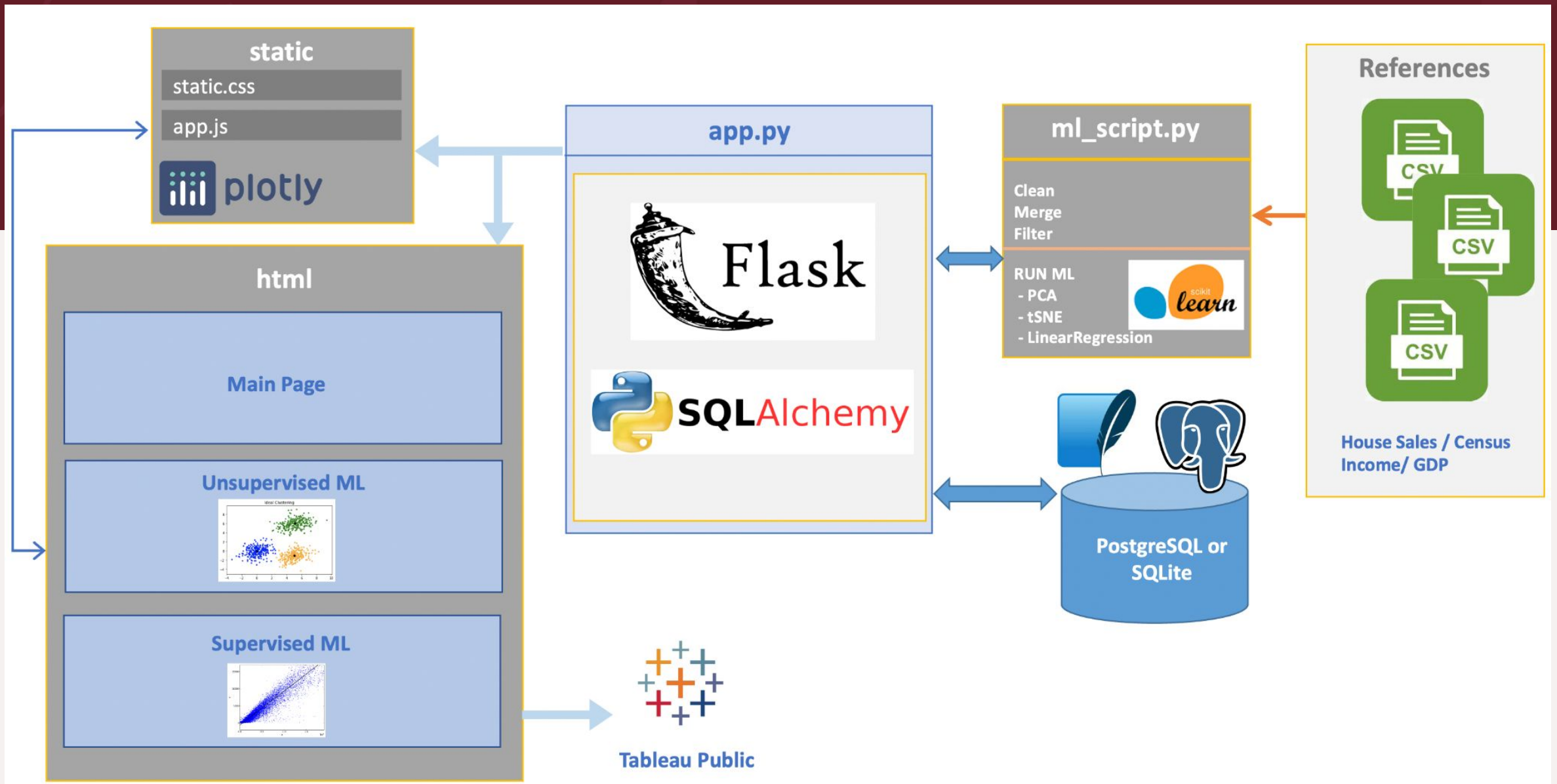
- See the housing market go up
- Plan out finances specifically in georgia
- Continuously growing in Georgia
- Know specific trends



Factors in deciding house prices?

- GDP in each county
- Median price vs GDP
- Average Family Income
- Looking at trends using various skills





Predicted prices of the homes with 0.63 accuracy using linear regression

City	Year Built	Longitude	Latitude	Living Area	Bathrooms	Bedrooms	Family Income	GDP(1,000)	Predicted Price	Actual Price
Stockbridge	1999	-84.24396515	33.5352211	1236	2	3	\$93,578.00	\$7,215,273.00	\$187,235.00	\$155,000.00
Norcross	1993	-84.22400665	33.98715973	3562	5	4	\$96,236.00	\$51,246,313.00	\$663,168.00	\$669,000.00
Savannah	1989	-80.99858093	31.97326469	2279	3	3	\$93,636.00	\$18,578,674.00	\$381,266.00	\$584,000.00
Columbus	1959	-84.94488525	32.40864182	999	2	4	\$84,072.00	\$11,264,737.00	\$72,395.00	\$81,000.00
Richmond Hill	1955	-81.29012299	31.92046165	1181	1	3	\$102,266.00	\$1,134,992.00	\$123,737.00	\$187,900.00
Atlanta	1941	-84.31241608	33.79269028	3200	3	4	\$111,611.00	\$42,318,939.00	\$508,841.00	\$880,000.00
Riverdale	1997	-84.43289948	33.58039093	2120	4	4	\$73,552.00	\$14,278,871.00	\$360,415.00	\$199,900.00
College Park	1930	-84.45995331	33.66128922	1714	3	4	\$138,911.00	\$183,095,901.00	\$420,434.00	\$279,000.00
Blue Ridge	1954	-84.32872772	34.86420441	3216	3	4	\$58,517.00	\$792,393.00	\$448,351.00	\$349,900.00
Columbus	1953	-84.90599823	32.46618652	988	1	3	\$84,072.00	\$11,264,737.00	\$43,234.00	\$75,000.00

Presentation of Website

[Machine Learning - GA Housing \(project4-rm1.herokuapp.com\)](https://project4-rm1.herokuapp.com)





Questions

References

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