

London Housing Case

USING PYTHON DATA SCIENCE TOOLS TO DETERMINE THE RELATIVE
VALUATION OF LONDON BOROUGHs



TO: THE SENIOR MANAGEMENT TEAM
JULY 31ST, 2020

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You Asked:

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Which London Borough has experienced the greatest 20-year increase in housing prices?

We Answered:

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The Borough of Hackney

Total Population: 281,120

Area: 7.36 sq mi

Mayor: Philip Glanville (Labour party)

Website:
<http://www.hackney.gov.uk/>



Hackney Housing Price Surge

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Housing Stats

Price in 2000: £132,727	Price in 2020: £591,744	% change: 346%
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Project Lessons Learned

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Challenges	Resolution
Working with Jupyter notebook for the first time	Took a quick tutorial on how to use Jupyter notebook
Developing algorithms	Worked through solutions with pen and paper, and testing the code line by line
It took a lot of time	I underestimated the time it took to resolve coding errors. Would factor this time into future projects
Data wrangling	Initially relied on my course notes. Best approach was to review the power point slides and use google afterwards

To be investigated

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- ▶ Determine if the percentage change means that Hackney is the most expensive neighborhood to live in
- ▶ Determine the socio-economic factors that resulted in the price surge
- ▶ Determine the demographic makeup of the typical customers looking for real estate in Hackney
- ▶ Determine if the price surge has slowed down within the last few years

Questions

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