
Animal Shelter Needs Analysis

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Summary

Descriptive analysis of Austin Animal Center intake and outcome data reveal opportunities to reduce costs and improve operations:

- Reduce current spending until volume returns to pre-pandemic levels
- Hire seasonal staff and rent temporary space for summer and fall
- Targeted outreach campaigns to reduce extended stays for dogs

Outline

- Business Problem
- Data & Methods
- Results
- Conclusions

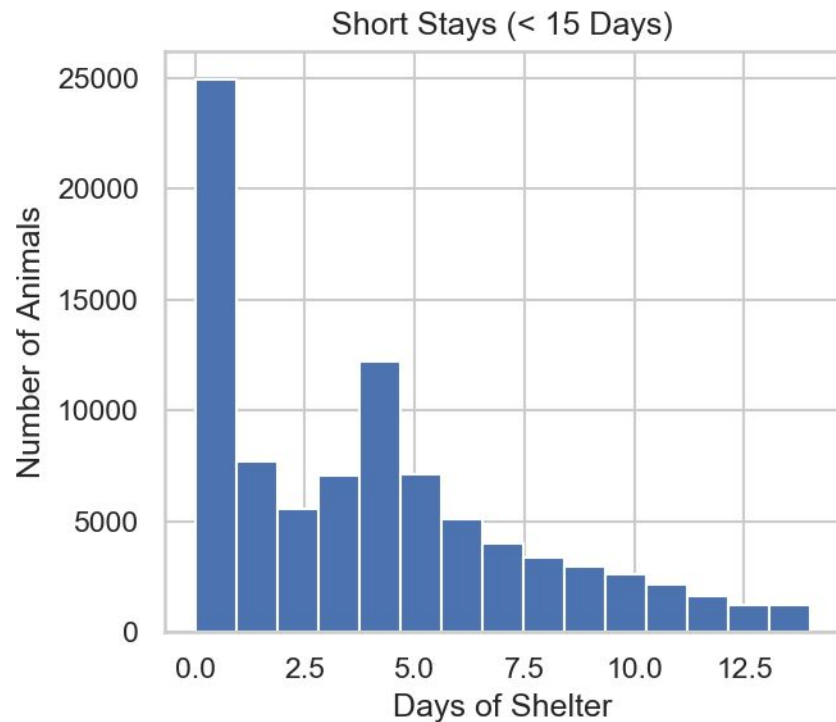
Business Problem

- Improve resource allocation
- Reduce costs
- Ensure capacity for high-quality care

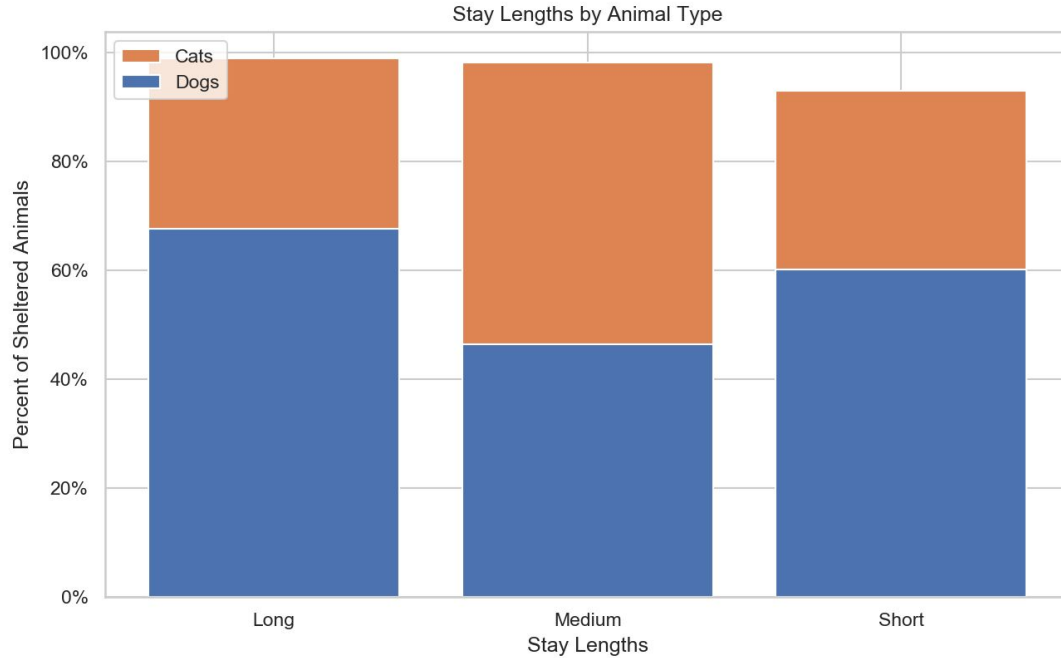


Data & Methods

- Intake and outcome data for over 100,000 animals from Oct 2013 to Aug 2020
- Includes animal types and dates of intake / exit

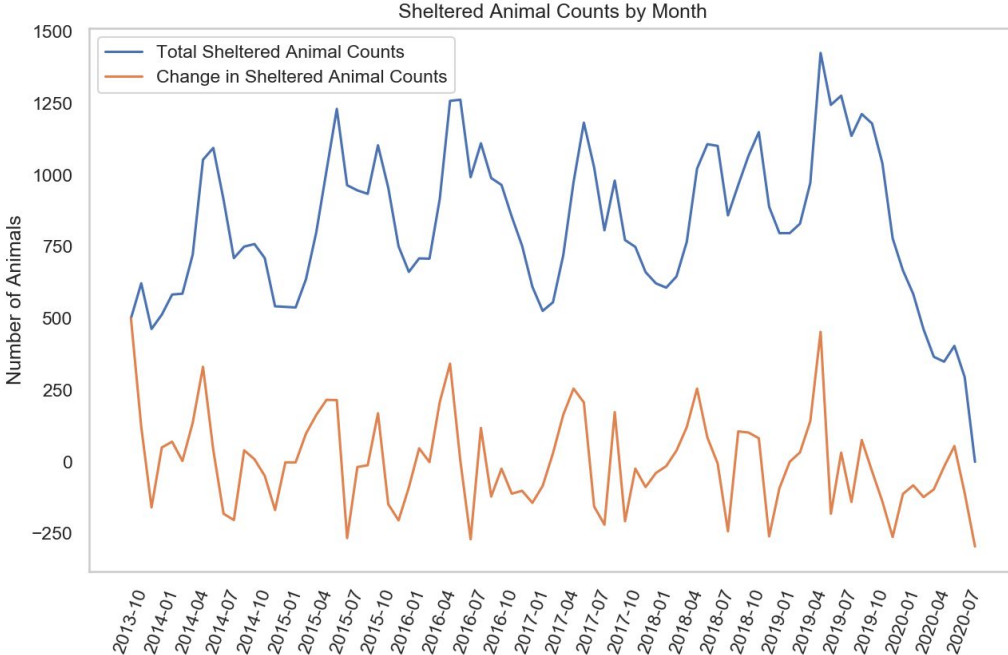


Results



- Most animals with long stays (>180 days) are dogs

Results



- Sheltered animal volumes peak in May, hits lowest point in Jan
- Sheltered animal volumes have dropped in 2020 due to COVID-19

Conclusions

- Reduce current spending until volume returns to pre-pandemic levels
- Hire seasonal staff and rent temporary space for summer and fall
- Targeted outreach campaigns to reduce extended stays for dogs

Next steps:

- Better prediction of animals that are likely to have long stays
- Model need for medical support
- Predicting undesirable outcomes

Thank You!

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