

# Find Your New Home In USA



Niels, Isabel and Seungwon



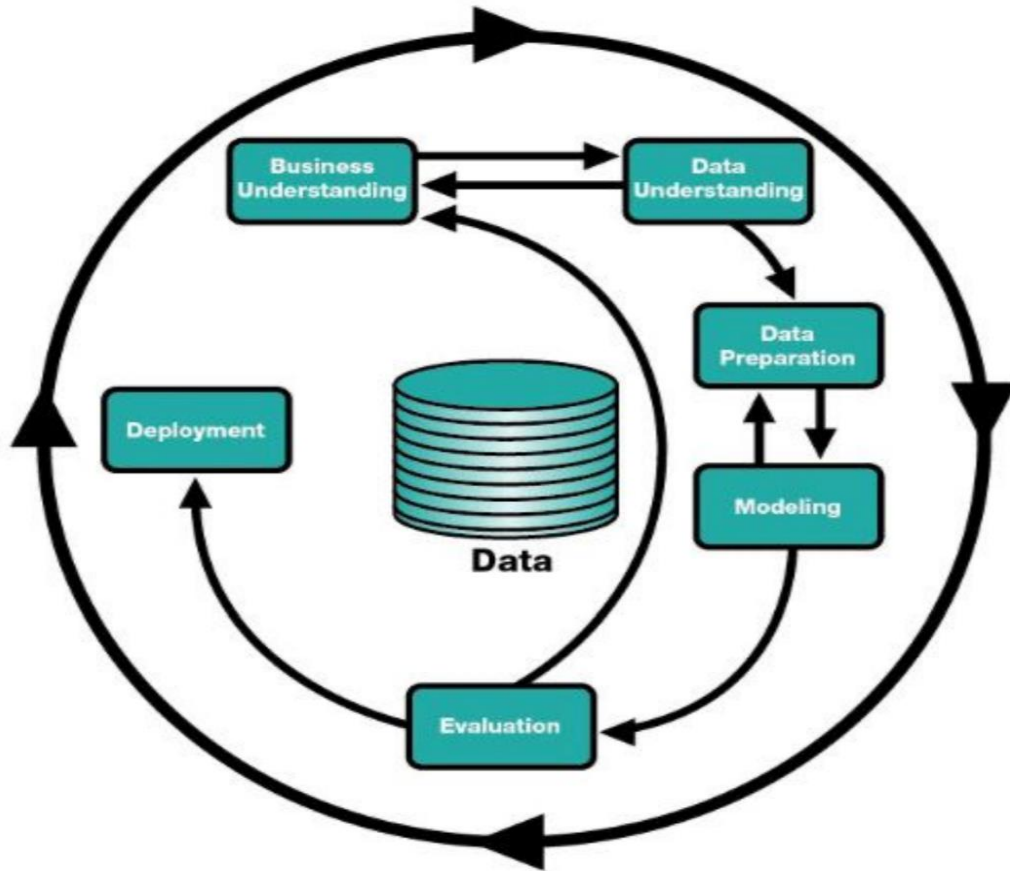


We are an award winning immigration consulting company from Puerto Rico and We help clients who are willing to settle down in the US. Our top priority is to suggest the best location for them and we wish them to enjoy their life with a good quality.

Most of our clients are from worldwide and they are generally from a medium income group.

**Good quality of Life = Good Mental Health**

# Methodology



1. Business understanding
2. Data understanding
3. Data preparation
4. Modelling
5. Evaluation
6. Recommendation



# Factors for Quality of Life in the US



- **We want a county with:**

- \* Low Frequent\_mental\_distress
- \* Low Poor\_physical\_health\_days
- \* Low Frequent\_physical\_distress
- \* Low Poor\_or\_fair\_health
- \* Low Adult\_smoking
- \* Sufficient\_sleep
- \* Low Diabetes\_prevalence
- \* Low Children\_in\_poverty
- \* High Life\_expectancy
- \* Low Excessive\_drinking
- \* Low Food\_insecurity



- \* Low Premature\_death
- \* Medium/high  
Median\_household\_income
- \* Low Physical\_inactivity
- \* Low Teen\_births\_rate
- \* A good\_employment\_rate
- \* Low Drug\_overdose\_deaths
- \* Good Income\_equality

# Baseline Model



`KFold(n_splits=10, shuffle=True, random_state=42)`

Baseline = 0.969

# Ridge / Lasso / Elastic Net Model



- **Top 3 with**

- \* Low Frequent\_mental\_distress
- \* Low Poor\_physical\_health\_days
- \* Low Frequent\_physical\_distress
- \* Low Poor\_or\_fair\_health



# Top-3 Factors for Quality of life in the US



- **Top 3 with**

- \* Low Frequent\_mental\_distress
- \* Low Poor\_physical\_health\_days
- \* Low Frequent\_physical\_distress
- \* Low Poor\_or\_fair\_health



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# Save the money



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# Recommendation



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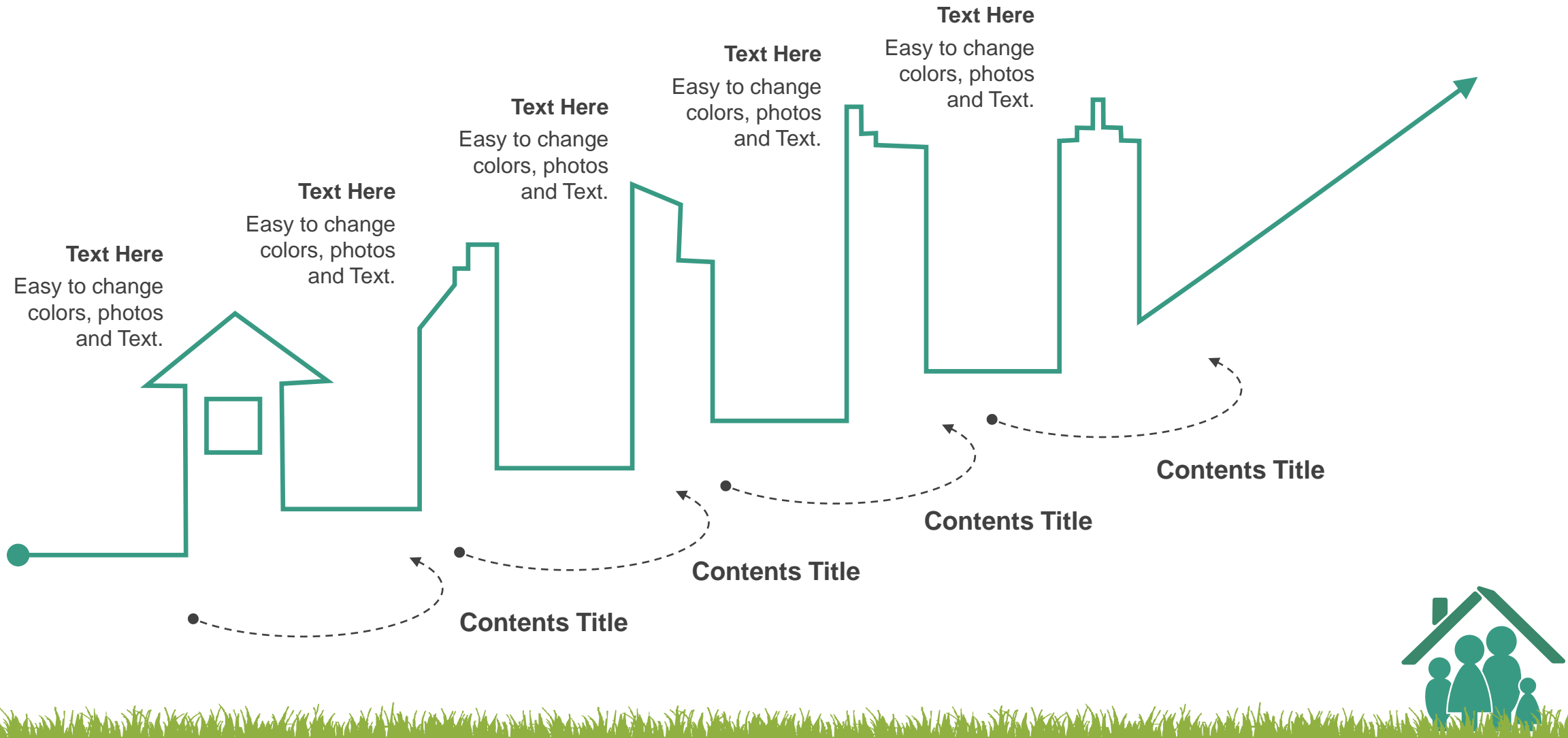




THANK YOU  
Q & A



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