



Vocational Rehabilitation (VR) Program Analysis

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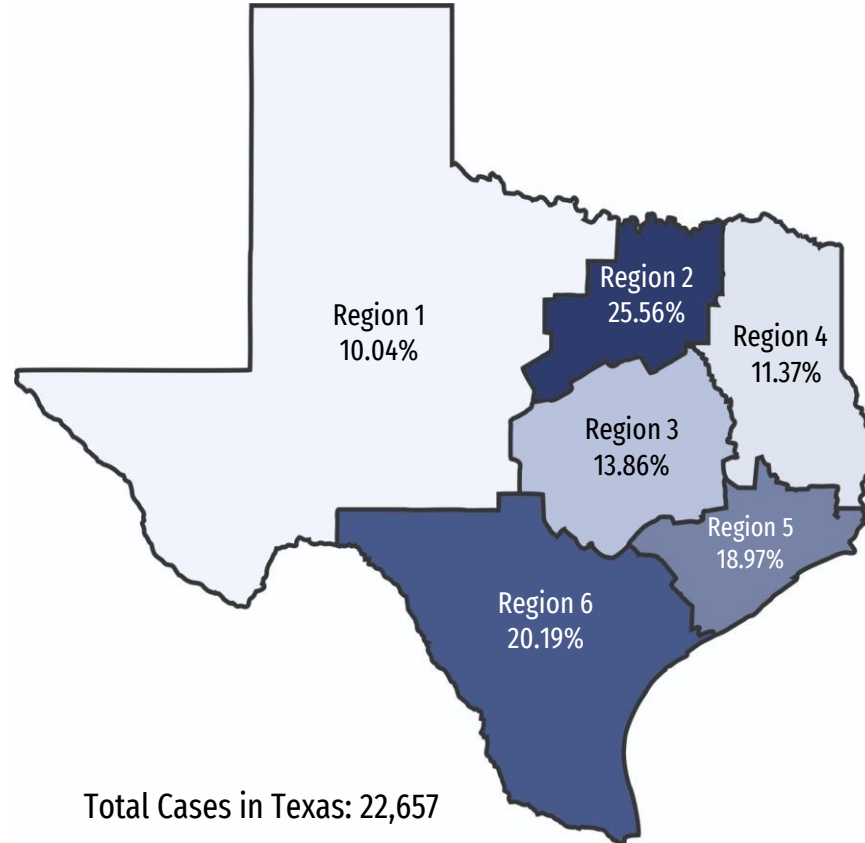
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Case Distribution throughout Texas



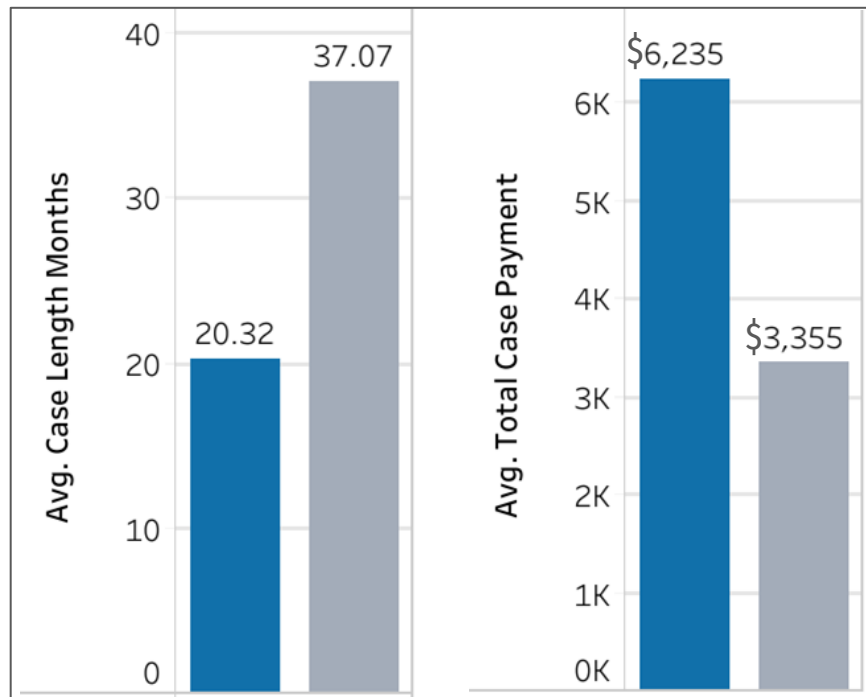
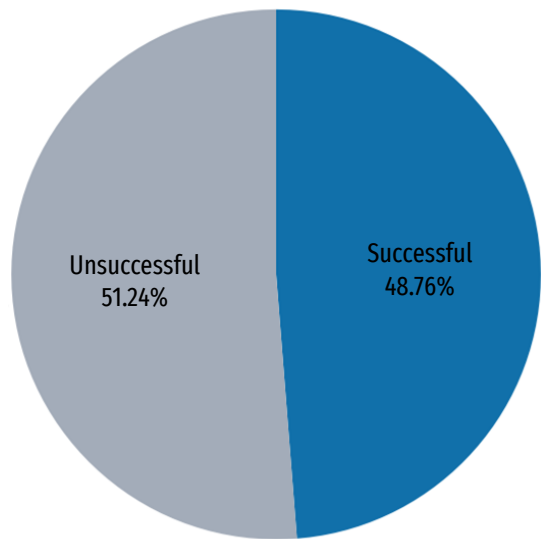
Total Cases in Texas: 22,657



Program Performance Across Texas

Closure Type
■ Successful
■ Unsuccessful

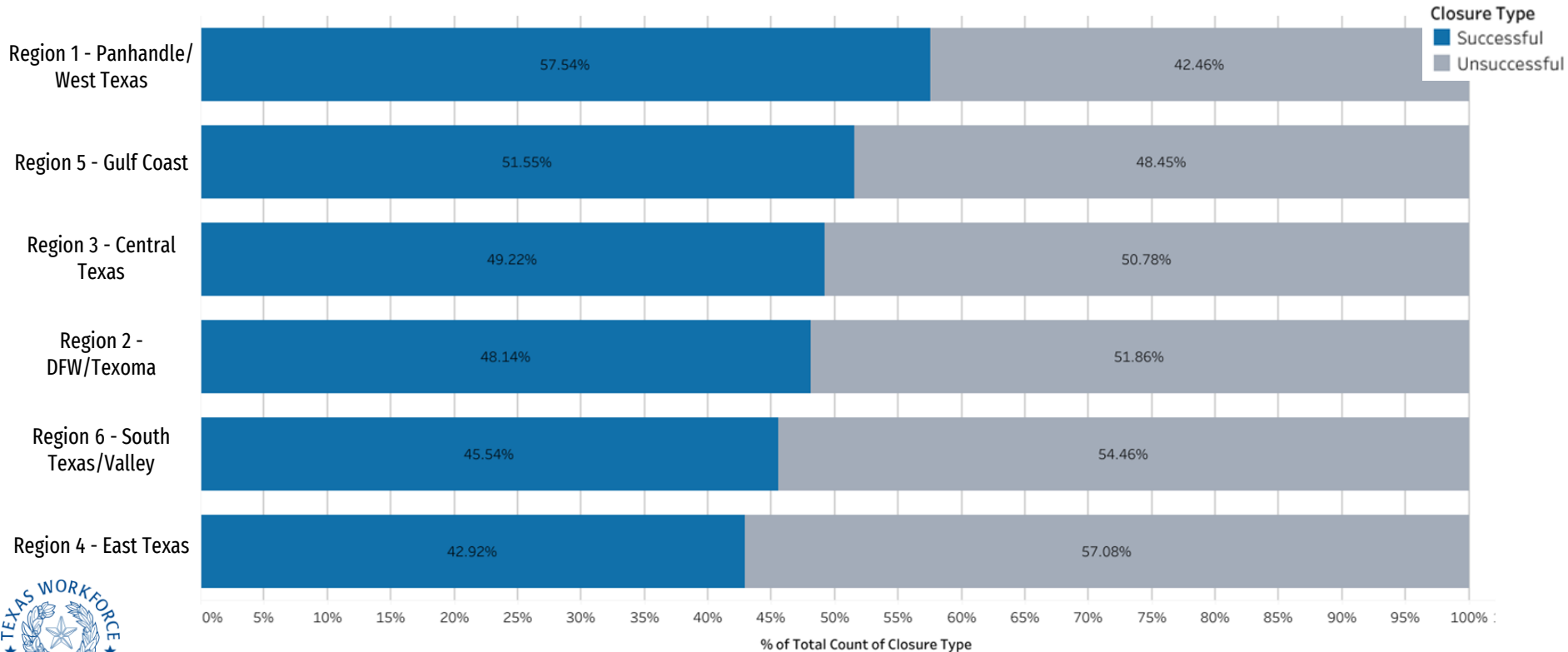
Closure Rate Across Texas



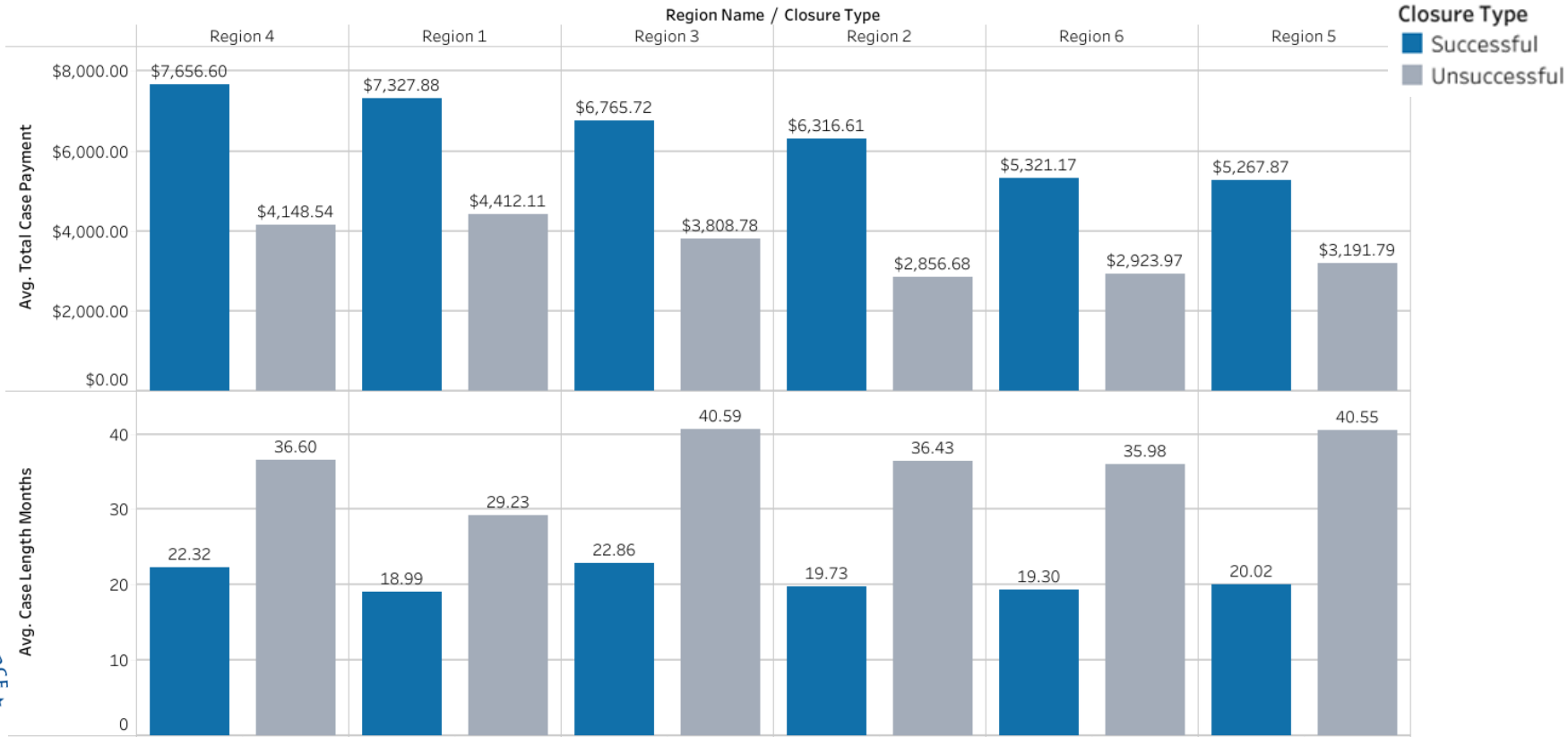
Performance by Region



Program Performance by Region



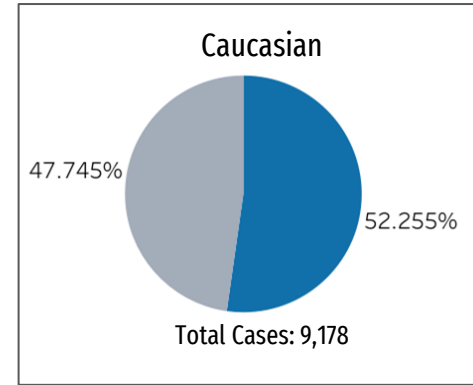
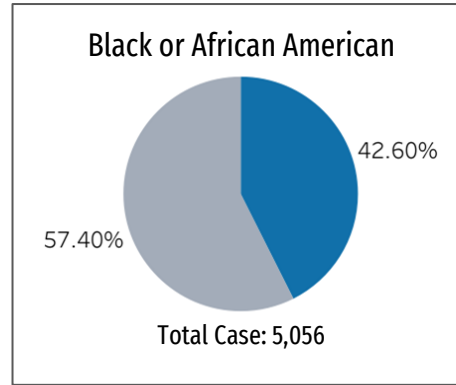
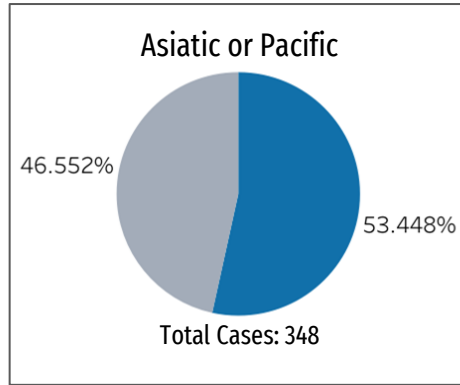
Program Performance by Region



Performance by Ethnicity

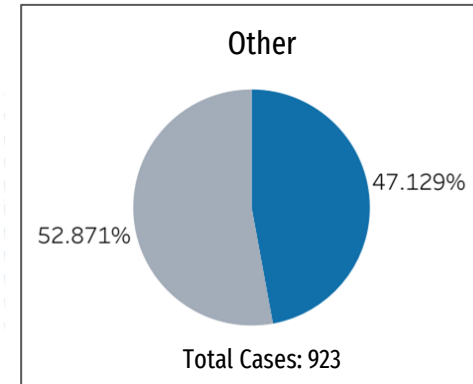
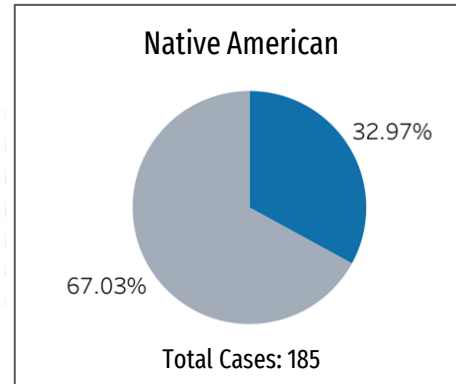
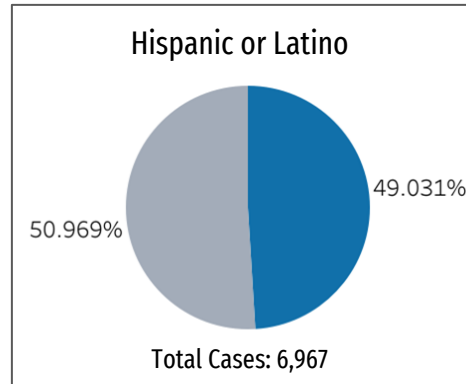


Program Performance by Ethnicity

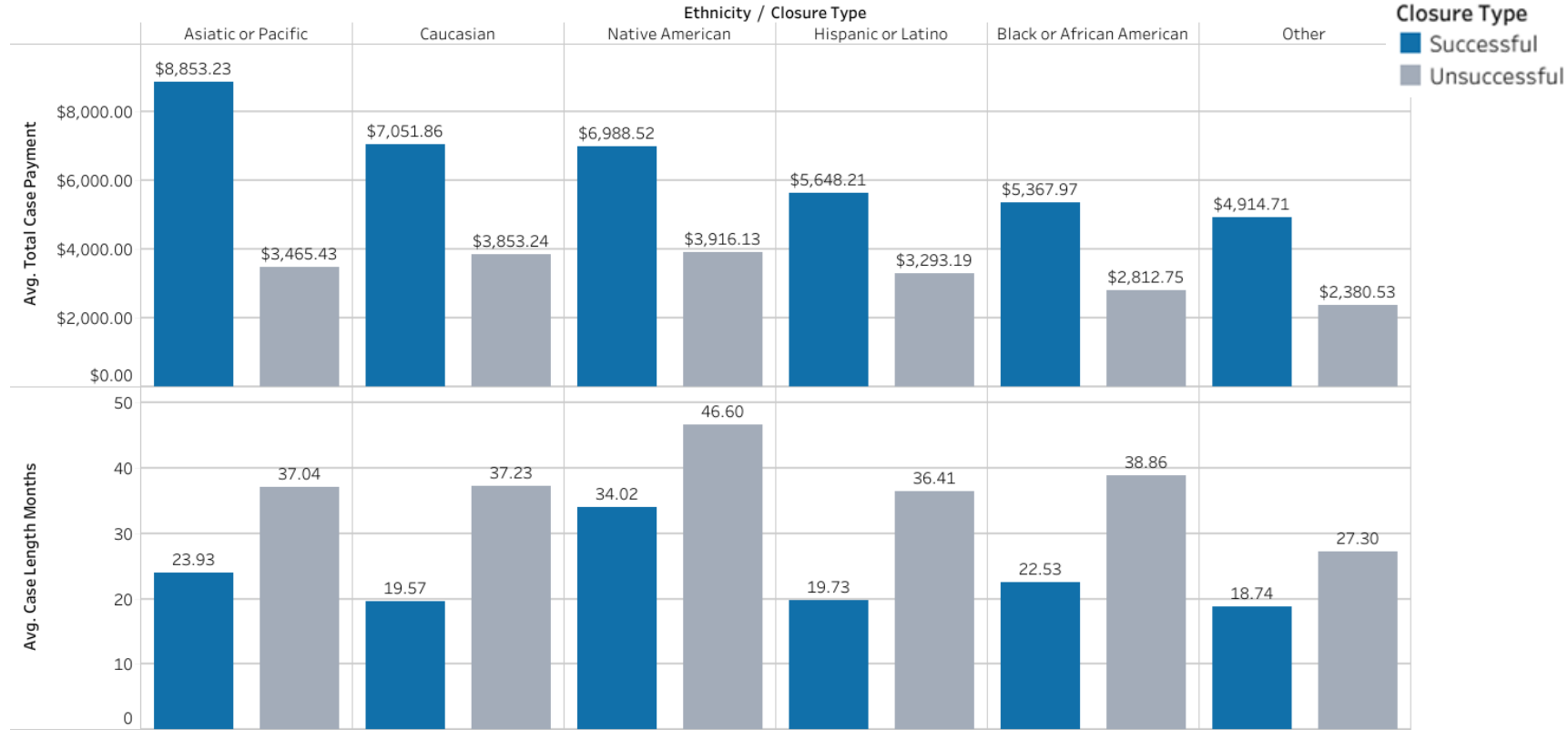


Closure Type

- Successful
- Unsuccessful



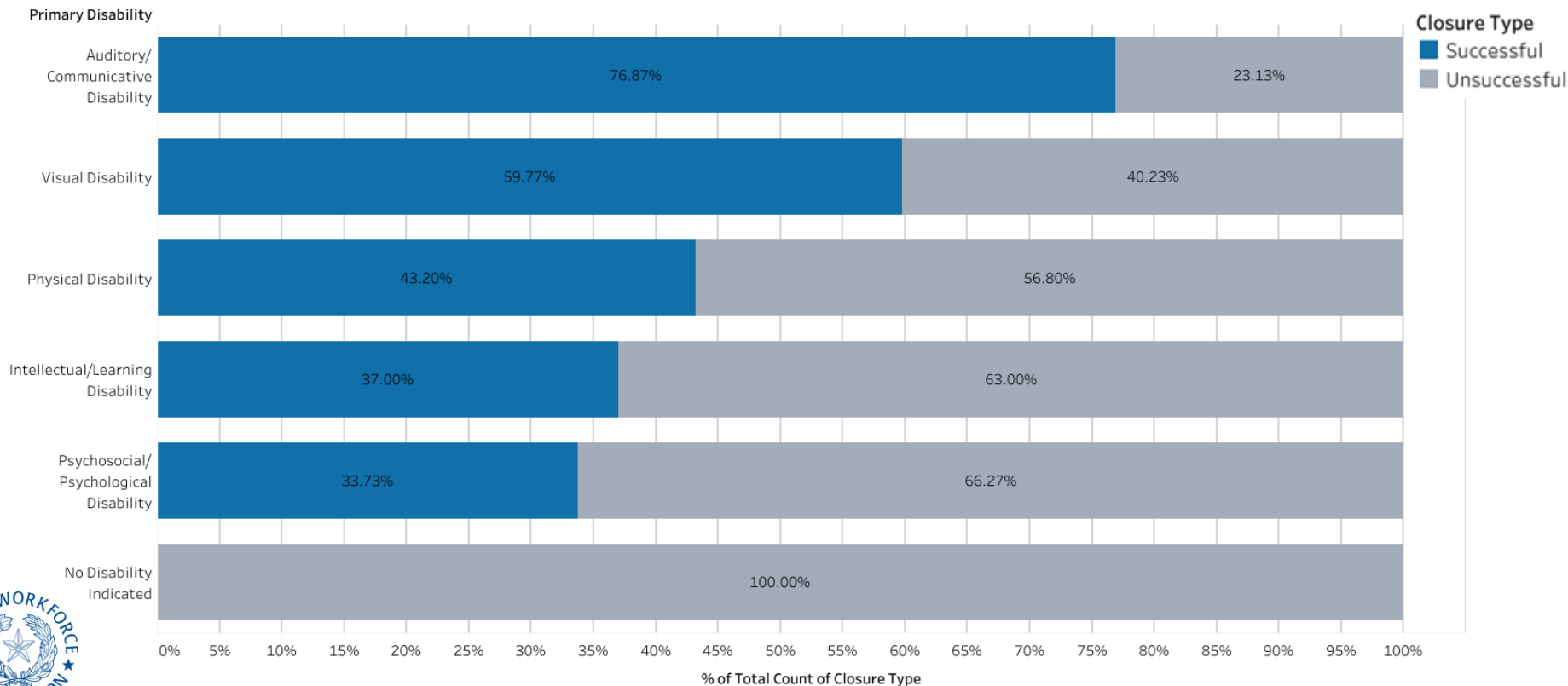
Program Performance by Ethnicity



Performance by Disability



Program Performance by Disability



Program Performance by Disability



Summary



Successful Case Closure Summary

Highest Successful	Lowest Successful	Average Highest Cost	Average Lowest Cost	Average Highest Length	Average Lowest Length
Region 1*	Region 4	Region 4	Region 5	Region 3	Region 1
Asiatic or Pacific	Native American*	Asiatic or Pacific	Other	Native American	Other
Auditory / Communicative	Psychosocial/ Psychological**	Physical	Visual**	Intellectual/ Learning	Auditory/ Communicative

Average case payment **\$6,235.38**

Average case length is about **20** months

The Vocational Rehabilitation program has a **48.8%** successful closure rate

*The smallest total number of cases in their group

**No Disability Indicated was not added to summary page



Unsuccessful Case Closure Summary

Highest Unsuccessful	Average Highest Cost	Average Lowest Cost	Average Highest Length	Average Lowest Length
Region 4	Region 1	Region 2	Region 3	Region 1
Native American	Native American	Other	Native American	Other
Psychosocial/ Psychological**	Visual	Psychosocial/ Psychological	Visual**	Auditory

Average case payment is **\$3,355**

Average case length is about **37** months

The Vocational Rehabilitation program has a **51.2%** unsuccessful closure rate

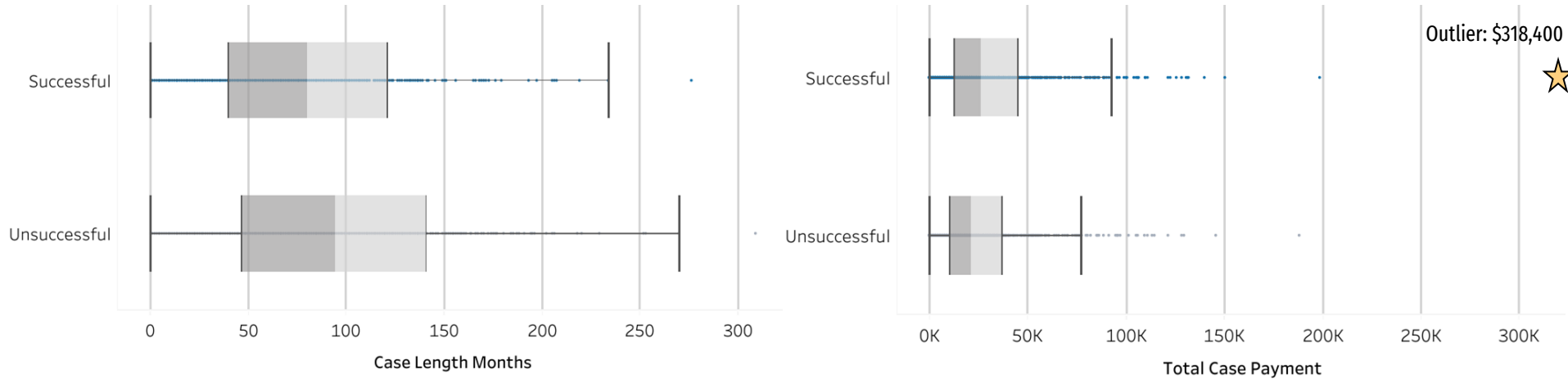
**No Disability Indicated was not added to summary page



Appendix



Spread of Data Texas



About 50% of **successful** cases

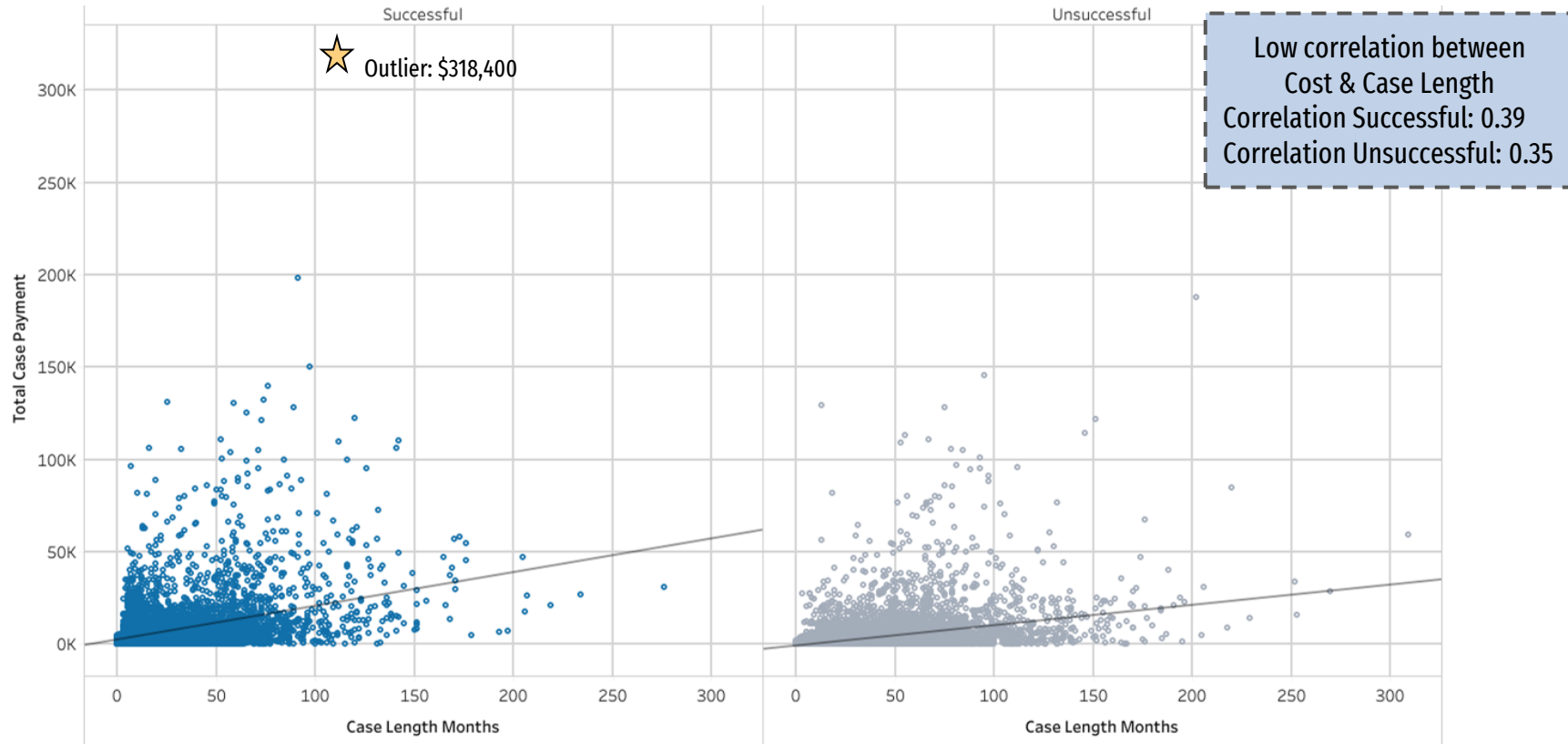
- Take between **40 to 121** months to close
- Cost between **\$12,800 to \$45,100**

About 50% of **unsuccessful** cases

- Take between **47 to 141** months to close
- Cost between **\$10,350 to \$36,950**



Case Cost vs Case Length Across Texas



Correlation Case Cost vs Case Length

Correlation by Region

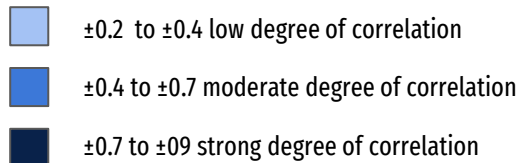
	Successful	Unsuccessful
Region 1	0.52	0.45
Region 2	0.40	0.37
Region 3	0.41	0.36
Region 4	0.33	0.30
Region 5	0.32	0.33
Region 6	0.37	0.40

Correlation by Ethnicity

	Successful	Unsuccessful
Asiatic or Pacific	0.45	0.29
Black or African American	0.35	0.30
Caucasian	0.42	0.36
Hispanic or Latino	0.39	0.40
Native American	0.36	0.44
Other	0.29	0.30

Correlation by Disability

	Successful	Unsuccessful
Auditory/Communicative	0.45	0.40
Intellectual/Learning	0.37	0.34
No Disability Indicated	--	-0.71
Physical	0.33	0.34
Psychosocial/Psychological	0.39	0.35
Visual	0.62	0.44



Thank you

All visuals were created using public.tableau.com

SQL code used for analysis can be found in
github.com/parcia7/TWC-VRExercise