v2

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A. Table of 10 exit reasons

Table 1: Table of Exit Reasons

Exit Reasons	Exit Category Codes
Program completion	Category (C) 1: A child is no longer eligible for Part C prior to reaching age three
Exit at age three	C2: A child is exiting Part C and has been determined to be eligible for Part B
Exit at age three	C3: Part B eligible, continuing in Part C
Exit at age three	C4: Not eligible for Part B, exit with referrals to other programs
Exit at age three	C5: Not eligible for Part B, exit with no referrals
Exit at age three	C6: Part B eligibility not determined
Not receiving services	C7: Deceased
Not receiving services	C8: Moved out of state
Not receiving services	C9: Withdrawal by parent (or guardian)
Not receiving services	C10: Attempts to contact the parents and/or child were unsuccessful

B. National and Oregon CHILD COUNTS

NOTE TO SELF: ADD THE CENSUS NUMBER FOR FINAL PROJECT! BIND_ROWS!! WEEK 2? 3? Labs.

B-1. Load data

B-2: chart 1

CAMERON, how do I round up to the 2 digits below decimal?

Table 2: Child Count (US & Oregon)

State	American Indian or Alaska Native (%)	Asian (%)	Black or African American
Oregon	0.87	3.27	2.69
US and Outlying Areas	0.69	4.3899999999999997	12.35

B-2: visualization 1

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chr [1:14] "0.87" "0.69" "3.27" "4.3899999999999997" "2.69" "12.35" ...
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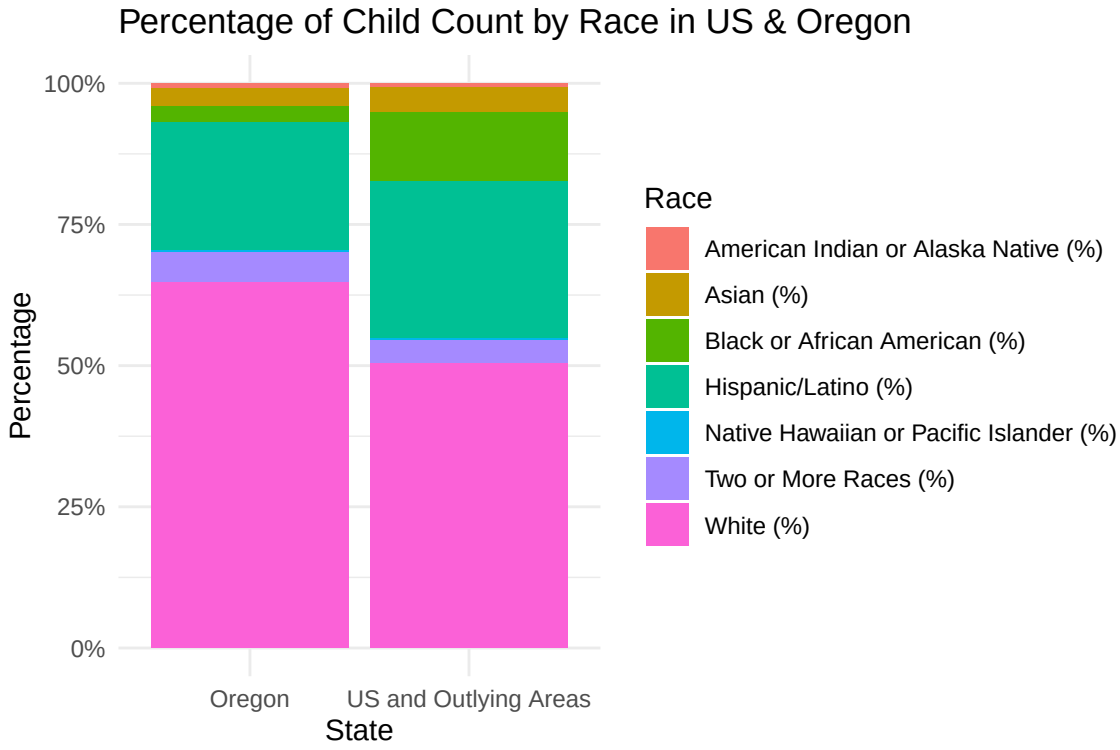
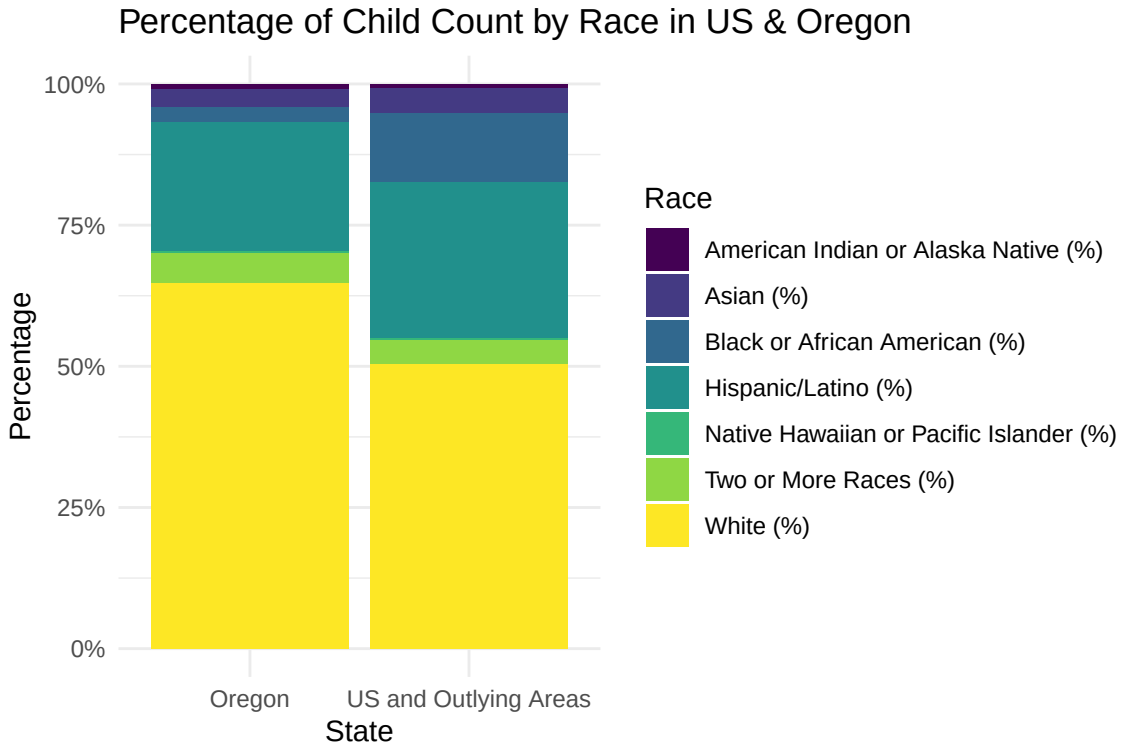
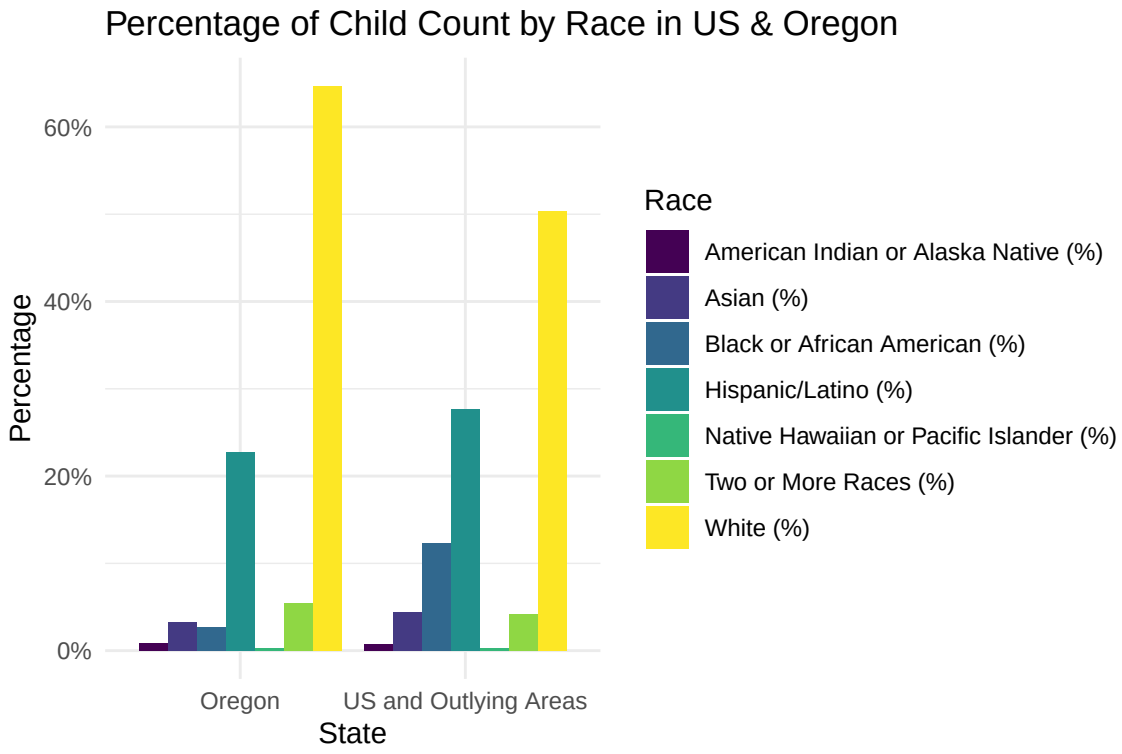



Percentage of Child Count by Race in US & Oregon
100%
75%
50%
25%
0%
Percentage
Oregon
US and Outlying Areas
State
Race
American Indian or Alaska Native (%)
Asian (%)
Black or African American (%)
Hispanic/Latino (%)
Native Hawaiian or Pacific Islander (%)
Two or More Races (%)
White (%)



C. National and Oregon EXIT data by RACE

I FIXED THE MISSING COLUMN by adding back part_b_eligibility_not_determined. I think this is what I can use for CHI-SQUARE WITH RESIDUALS?

I should be able to export df to excel this way but haven't tried it yet.

agg_by_race_and_state

OH NO where did Part B eligibility not determined go?!?!?

I'm trying out to see if I can do the chi-square with residuals (per https://chatgpt.com/share/67a1833d-9fc4-8012-8193-b6fc358a9687)

Chi-square with Residuals 1:

CAMERON - This doesn't run :(

Chi-square with Residuals 2:

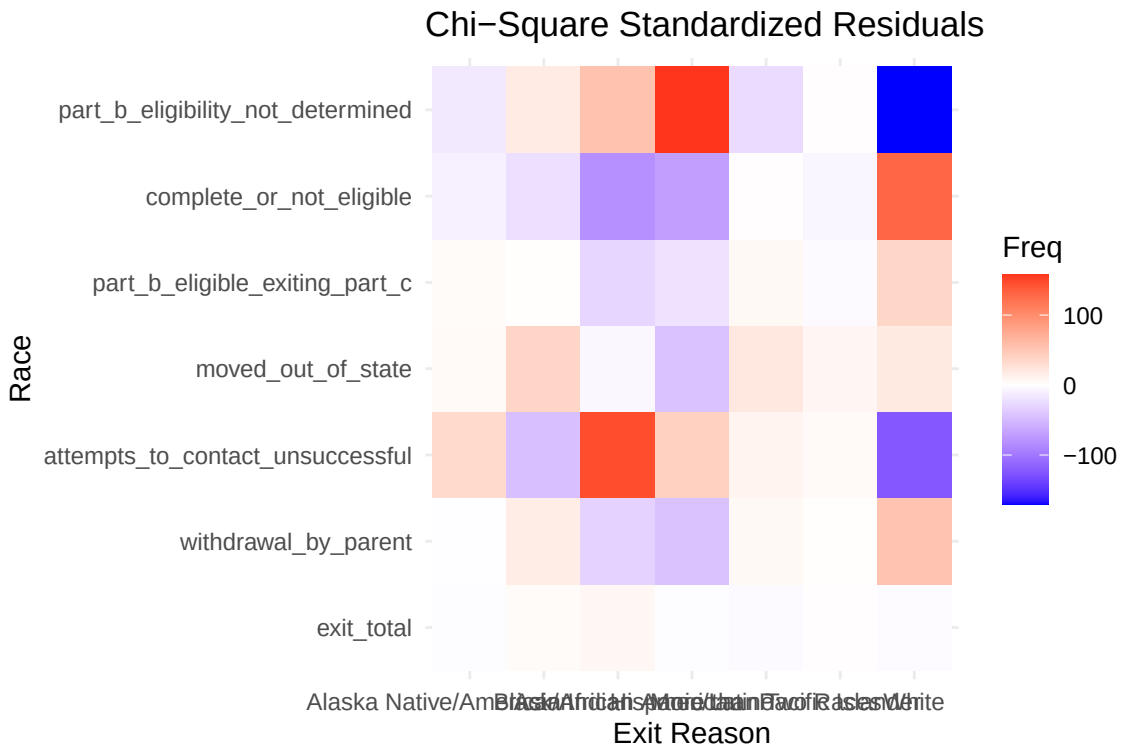
```
    Pearson's Chi-squared test

data:  race_matrix
X-squared = 88130, df = 36, p-value < 2.2e-16
```

Chi-square with Residuals 3:

	exit_total	withdrawal_by_parent	
Alaska Native/American Indian	-2.271421	-1.529332	
Asian	3.969401	16.392776	
Black/African American	7.392204	-32.563128	
Hispanic/Latino	-2.007889	-44.502779	
More than Two Races	-4.250400	5.768394	
Pacific Islander	1.568056	1.271574	
White	-2.817433	52.320627	
	attempts_to_contact_unsuccessful		
Alaska Native/American Indian	32.766855		
Asian	-46.849271		
Black/African American	145.362643		
Hispanic/Latino	41.042318		
More than Two Races	9.926835		
Pacific Islander	5.482329		
White	-123.606382		
	moved_out_of_state	part_b_eligible_exiting_part_c	
Alaska Native/American Indian	5.200877	4.008193	
Asian	37.157114	1.334661	
Black/African American	-5.841365	-30.058085	
Hispanic/Latino	-44.978596	-21.284323	
More than Two Races	20.190835	5.754274	
Pacific Islander	8.578719	-4.113435	
White	18.873265	35.792944	
	complete_or_not_eligible		
Alaska Native/American Indian	-9.771775		
Asian	-23.542186		
Black/African American	-82.092145		
Hispanic/Latino	-70.955800		
More than Two Races	1.450087		
Pacific Islander	-6.844091		
White	129.036997		
	part_b_eligibility_not_determined		
Alaska Native/American Indian	-16.004425		
Asian	18.345906		
Black/African American	54.190397		
Hispanic/Latino	157.395198		
More than Two Races	-26.019725		
Pacific Islander	1.420595		
White	-170.810660		

Chi-square with Residuals 4:

Cameron: How can I reverse the order of Y axis (and I should delete the exit total row too)



C. Oregon data by LANGUAGES

Table 3: Initial Oregon Data by Home Languages

primary_language	exit_total	withdrawal_by_parent	attempts_to_contact_unsuccessful	moved_out_of_state	p
Chinese	19	2	1	2	
English	16528	3088	1318	862	
Other languages	2725	501	183	209	
Russian	35	10	2	5	
Sign languages	7	0	0	3	
Spanish	2068	266	184	53	
Vietnamese	67	15	4	6	
NA	NA	NA	NA	NA	