v2

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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

```
 [1] "Alabama"              "Alaska"              "American Samoa"
 [4] "Arizona"              "Arkansas"            "California"
 [7] "Colorado"             "Connecticut"         "Delaware"
[10] "District of Columbia" "Florida"             "Georgia"
[13] "Guam"                 "Hawaii"              "Idaho"
[16] "Illinois"             "Indiana"             "Iowa"
[19] "Kansas"               "Kentucky"            "Louisiana"
[22] "Maine"                "Maryland"            "Massachusetts"
[25] "Michigan"             "Minnesota"           "Mississippi"
[28] "Missouri"             "Montana"             "Nebraska"
[31] "Nevada"               "New Hampshire"       "New Jersey"
[34] "New Mexico"           "New York"            "North Carolina"
[37] "North Dakota"         "Northern Marianas"   "Ohio"
[40] "Oklahoma"             "Oregon"              "Pennsylvania"
[43] "Puerto Rico"          "Rhode Island"        "South Carolina"
[46] "South Dakota"         "Tennessee"           "Texas"
[49] "Utah"                 "Vermont"             "Virgin Islands"
[52] "Virginia"             "Washington"          "West Virginia"
[55] "Wisconsin"            "Wyoming"             "US and Outlying Areas"
```
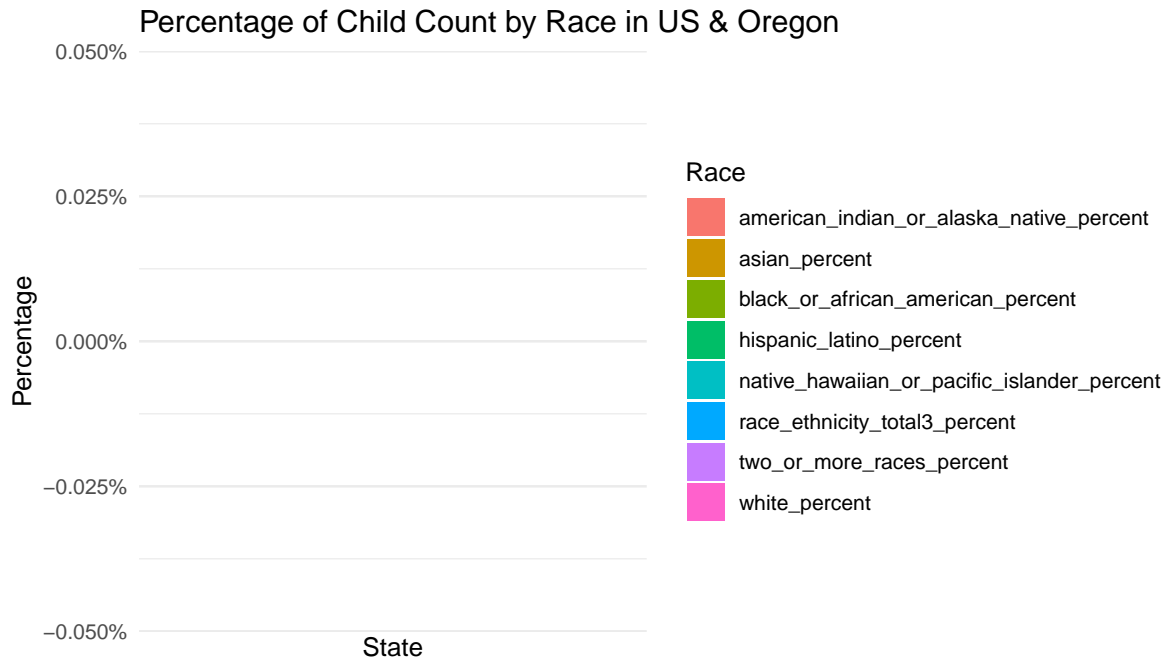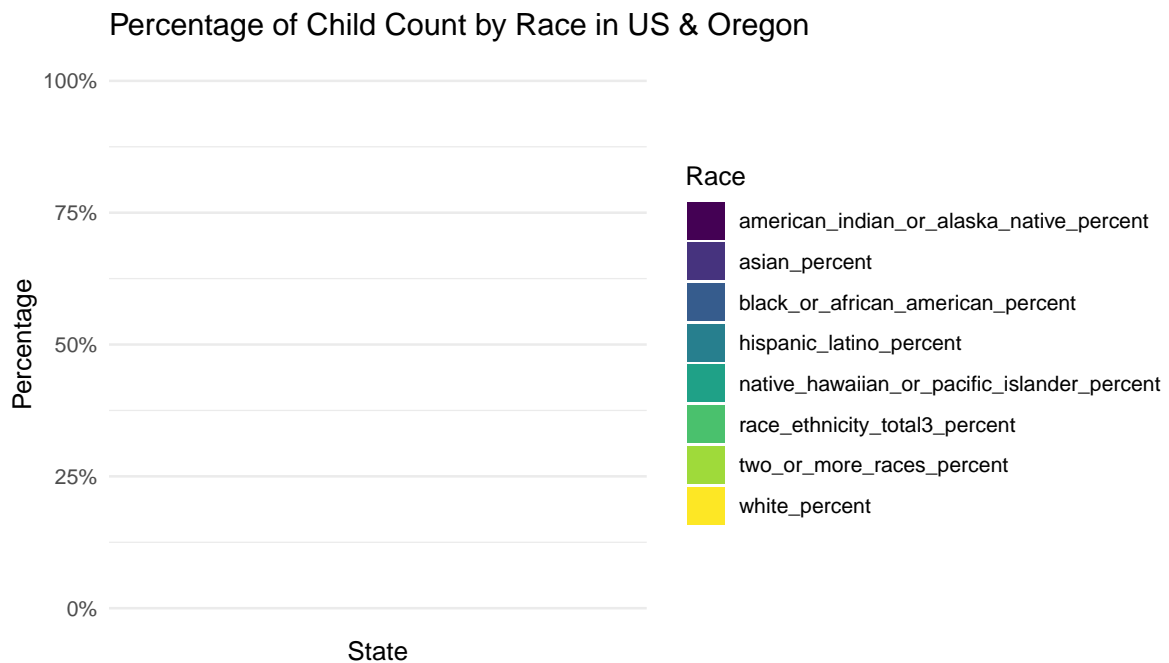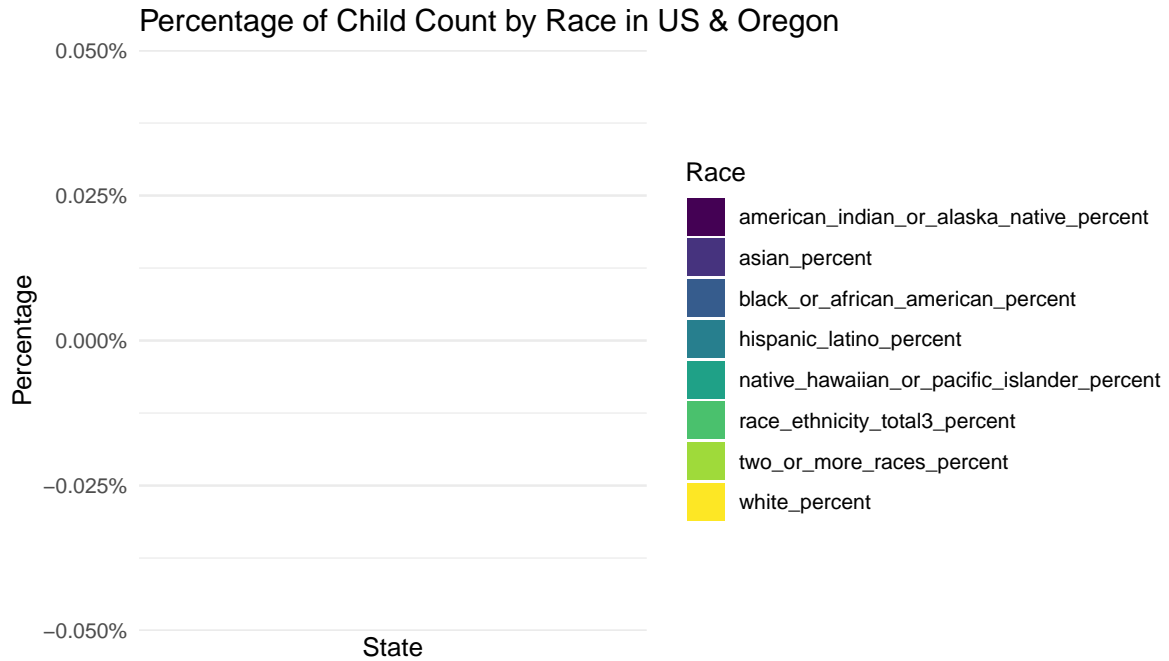
B-2: chart 1

Table 1: Child Count (US & Oregon)

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state	race_ethnicity_total3_percent	american_indian_or_alaska_native_percent	asian_percent	black_or_african_
NA	100		0.87	3.27
NA	100		0.69	4.39

B-2: visualization 1

```
num [1:16] 100 100 0.87 0.69 3.27 ...
```

Percentage of Child Count by Race in US & Oregon

Race
- american_indian_or_alaska_native_percent
- asian_percent
- black_or_african_american_percent
- hispanic_latino_percent
- native_hawaiian_or_pacific_islander_percent
- race_ethnicity_total3_percent
- two_or_more_races_percent
- white_percent

Percentage of Child Count by Race in US & Oregon

Percentage

0.050%

0.025%

0.000%

−0.025%

−0.050%

State

Race

- american_indian_or_alaska_native_percent
- asian_percent
- black_or_african_american_percent
- hispanic_latino_percent
- native_hawaiian_or_pacific_islander_percent
- race_ethnicity_total3_percent
- two_or_more_races_percent
- white_percent

Percentage of Child Count by Race in US & Oregon

Percentage

100%

75%

50%

25%

0%

State

Race

- american_indian_or_alaska_native_percent
- asian_percent
- black_or_african_american_percent
- hispanic_latino_percent
- native_hawaiian_or_pacific_islander_percent
- race_ethnicity_total3_percent
- two_or_more_races_percent
- white_percent

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?

Table 2: Racial Representation in EI Services

Race	Disqualified	Moved Out	Not Determined	Not Eligible	Part B Eligible	V
Alaska Native or American Indian	0.1372	0.0439	2480	0.1848	0.3799	
Asian	0.0448	0.0549	22848	0.1826	0.3613	
Black or African American	0.1350	0.0352	69687	0.1571	0.3357	
Hispanic/Latino	0.0882	0.0295	173416	0.1828	0.3521	
Two or More Races	0.0860	0.0477	15813	0.2135	0.3732	
Pacific Islander	0.0917	0.0525	1532	0.1794	0.3367	
White	0.0598	0.0391	178843	0.2407	0.3730	

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 :(

R doesn't like spaces or dashes / - that's why we did clean names, it could work but it can be tricky later

Chi-square with Residuals 2:

```
    Pearson's Chi-squared test

data:  race_matrix
X-squared = 88130, df = 36, p-value < 2.2e-16
```
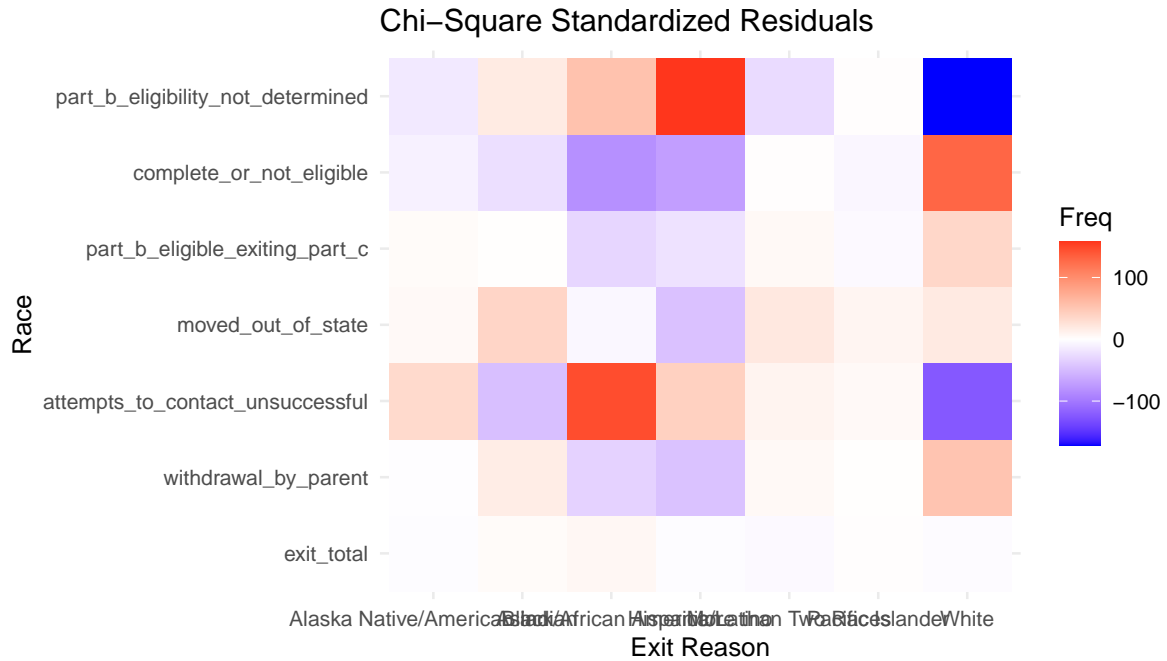
Chi-square with Residuals 3:

Cameron: Residuals are what we are measuring anyway. If nothing was happening, what would be the expected values in the cells in the matrix (so the residuals = differences between expected and what we see) so it's a raw differences

```
                              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:

SOMEWHERE IN HERE I MIGHT HAVE DELETED OR MOVED THE CHUNK EALIER SO FIND CHUNKS MAYBE WITH residuals_df and find Var2 Cameron: How can I reverse the order of Y axis (and I should delete the exit total row too)

Chi−Square Standardized Residuals

C. Oregon data by LANGUAGES

Oregon data by language KABLE table

- Renaming the columns

- Reorder the Categories alphabetically :)

- Ran KABLE for a table

Table 3: Initial Oregon Data by Home Languages

Primary Language	Disqualified	Moved Out	Not Eligible	Part B Eligible	Total Exit	Withdrawn
Chinese	1	2	2	12	19	2
English	1318	862	1701	9326	16528	3088
Other languages	183	209	227	1565	2725	501
Russian	2	5	1	16	35	10
Sign languages	0	3	0	4	7	0
Spanish	184	53	150	1388	2068	266
Vietnamese	4	6	1	41	67	15
NA	NA	NA	NA	NA	NA	NA

- trying to change font to TIMES NEW ROMAN

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