

Out of Country Transfers

- What are the top five countries that people have moved from?

	count
prior_country	
Canada	2780
South Korea	1726
India	1289
Mexico	1089
Japan	1043

- What are the top five countries that people moved from to KING County?

	prior_country	count	county
1	Canada	1773	King
2	South Korea	1091	King
3	India	982	King
4	Taiwan	756	King
5	China	623	King

- What are the top five countries that people moved from to Snohomish County?

	prior_country	count	county
1	South Korea	199	Snohomish
2	Canada	160	Snohomish
3	Brazil	131	Snohomish
4	Japan	101	Snohomish
5	Ukraine	100	Snohomish

- What are the top five countries that people moved from to Pierce County?

	prior_country	count	county
1	Guam	280	Pierce
2	American Samoa	254	Pierce
3	South Korea	192	Pierce
4	Puerto Rico	151	Pierce
5	Canada	95	Pierce

- What percentage of people from out of the country moved to KING County?

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The percentage of out of country transfers:
56.47
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- Other than King, Snohomish and Pierce County, what are the next 3 most popular counties that people from out of the country register for a new license?

	county	count
1	Clark	796
2	Whatcom	419
3	Spokane	362

- Which month and year have the most people transferred licenses/ids from out of the country?
the least?

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Month and year with the most transfers:
  year month transfer_count
0  2018     9           1196

Month and year with the least transfers:
  year month transfer_count
19  2020     6             57
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Out of State Transfers

- What are the top ten states that people have moved from?

	count
prior_state	
California	71421
Oregon	36261
Texas	18936
Florida	13447
Arizona	13106

- What are the top five states that people moved from to KING County?

	prior_state	count	county
1	California	26607	King
2	Texas	7662	King
3	Oregon	5210	King
4	Florida	5184	King
5	New York	4353	King

- What are the top five states that people moved from to Snohomish County?

	prior_state	count	county
1	California	5140	Snohomish
2	Texas	1409	Snohomish
3	Oregon	1193	Snohomish
4	Florida	1188	Snohomish
5	Arizona	1161	Snohomish

- What are the top five states that people moved from to Pierce County?

	prior_state	count	county
1	California	6716	Pierce
2	Texas	2299	Pierce
3	Oregon	1774	Pierce
4	Florida	1523	Pierce
5	Arizona	1413	Pierce

- What percentage of people from out of state moved to KING County?

The percentage of out of state transfers:
34.33

- Other than King, Snohomish and Pierce County, what are the next 3 most popular counties that people from out of state register for a new license?

	county	count
1	Clark	31704
2	Spokane	21836
3	Thurston	12178

- Which month and year have the most people transferred licenses/ids from out of the state? the least?

Month and year with the most transfers:

	year	month	transfer_count
11	2019	8	17783

Month and year with the least transfers:

	year	month	transfer_count
19	2020	5	25

Step 5: Business Decisions (15%)

- The state of Washington has asked you to provide information on how to reallocate budget for the counties. You are being asked to create a classification system of up to 5 levels that assigns each county by transfer frequency for budget priority. What would that classification system look like? How would you classify each county into each level? Create a list showing the names of the counties and which level they would belong to.

	county	transfer_count	budget_level
0	King	116941	Level 5
1	Clark	32500	Level 5
2	Pierce	31963	Level 5
3	Snohomish	22855	Level 5
4	Spokane	22198	Level 5
5	Thurston	12522	Level 5
6	Kitsap	12424	Level 5
7	Unknown	11055	Level 5
8	Whatcom	8335	Level 5
9	Benton	6930	Level 5
10	Island	4322	Level 5
11	Cowlitz	4085	Level 5
12	Yakima	3975	Level 5
13	Clallam	3774	Level 5
14	Skagit	3496	Level 5
15	Whitman	2494	Level 5
16	Lewis	2247	Level 5
17	Grays Harbor	2183	Level 5
18	Walla Walla	2118	Level 5
19	Grant	2113	Level 5
20	Chelan	2017	Level 5
21	Franklin	1998	Level 4
22	Mason	1877	Level 4
23	Jefferson	1771	Level 4
24	Stevens	1619	Level 4
25	Asotin	1469	Level 3
26	Klickitat	1349	Level 3
27	Pacific	1270	Level 3
28	Kittitas	1140	Level 3

29	Okanogan	911	Level 2
30	San Juan	850	Level 2
31	Douglas	827	Level 2
32	Skamania	680	Level 2
33	Pendoreille	649	Level 2
34	Lincoln	306	Level 1
35	Adams	287	Level 1
36	Wahkiakum	247	Level 1
37	Ferry	247	Level 1
38	Columbia	121	Level 1
39	Garfield	83	Level 1

Each county is put in a level based on their numbers of transfers, with level 5 being the highest transfers from the total of transfers and level 1 being the lowest of transfers from the total of transfers. Budget will have to be focused on the top levels first, then the lowest levels.

- The state would like to create a conference for Licensing Agencies to attend. Which two months of the year would be the best to have a conference with the least amount of transfers?

	year	month	transfer_count
19	2020	5	25
20	2020	6	1429

Regarding the months, May and June, with the lowest transfers, are the best months for conferences.

- The state has some additional marketing budget that they would like to use to create brochures in the official or prominent language of the top 10 countries identified by your data. Locate the official language of those countries and the county/counties that the brochure should be sent to. (You may need to research the official language via the World Fact Book website. Links to an external site.)

	prior_country	county	Count
148	Canada	King	1773
902	South Korea	King	1091
466	India	King	982
953	Taiwan	King	756
188	China	King	623
104	Brazil	King	600
534	Japan	King	577
358	Germany	King	461
630	Mexico	King	344
397	Guam	Pierce	280

The countries are chosen based on the most transfers to the US, and the counties are where they transfer to the most. The counties indicate where these brochures should be sent to, to ensure that they reach the wanted audience.

Country	Language for Brochure	Counties for the Brochure
Canada	French/English	King
South Korea	Korean	King
India	Hindi	King
Mexico	Spanish	King
Japan	Japanese	King
Taiwan	Mandarin Chinese	King
Guam	Chamorro	Pierce
Brazil	Portuguese	King
China	Mandarin Chinese	King
Germany	German	King