King County Opportunity Youth Overview

Demographics of Opportunity Youth

2020 update to report and findings from 2016

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Agenda

- Recap of original study
- Methodology
- Geographical boundaries of South King County
- Updated breakdown of Opportunity Youth (O.Y.) by age
- Recommendations for SRP
- Next Steps for Analysis

Recap of 2016 Study

O.Y. were an estimated 13% of the total youth population, i.e. people between the ages of 16 and 24 who are neither in school nor working (~19K of ~140K).

Why OY Matter

- Social and economic costs for O.Y., the government and society at large
- Talent pipeline solution for existing shortfall of candidates for local jobs

Data compiled by
The Community Center for Education Results (CCER)

⬇

In support of
The Road Map Project

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For use by
Seattle Region Partnership
Seattle Metropolitan Chamber of Commerce
Seattle Foundation
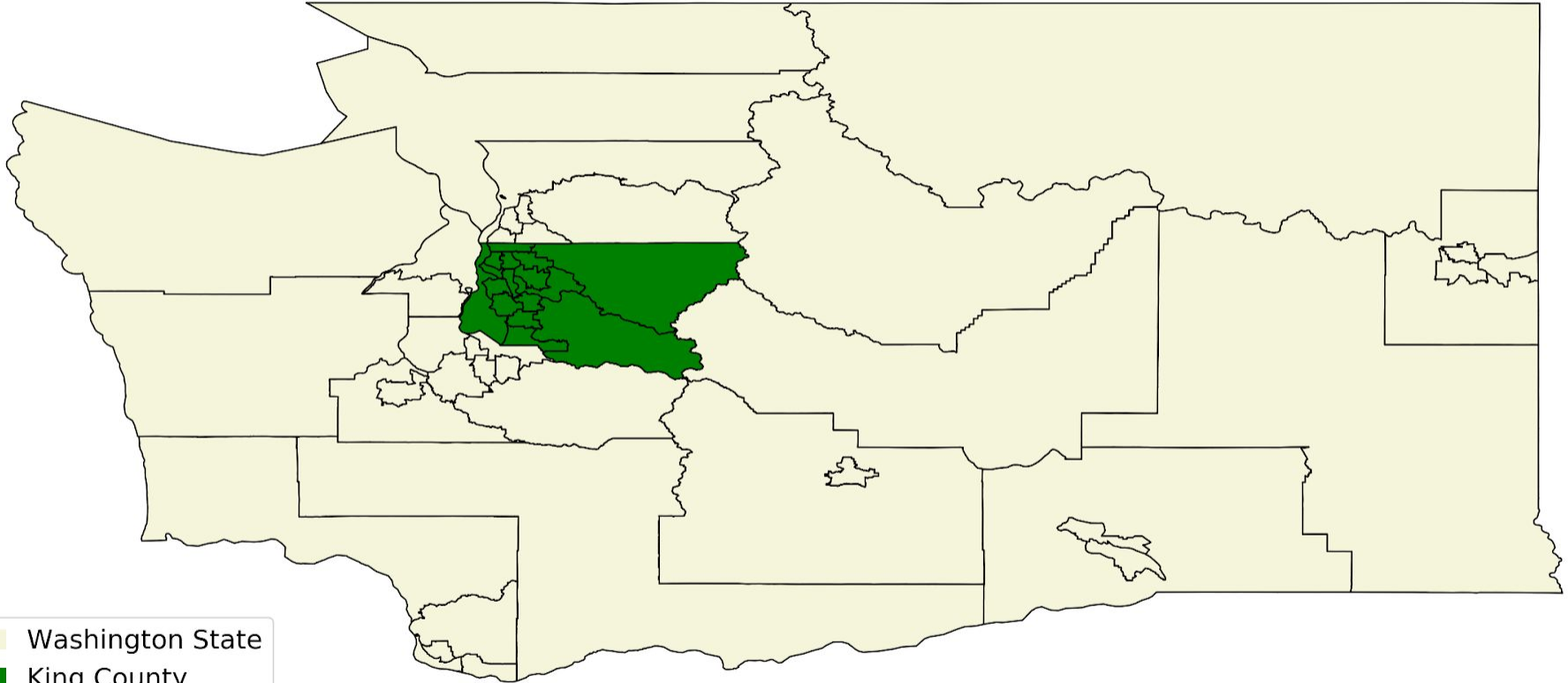City of Seattle
King County

Methodology

1. Identify O.Y. from PUMS 2013-2017 dataset published by the ACSO:

   - Age
   - Employment Status
   - Educational Attainment
   - Sex
   - Race
   - PUMA Region (limited to South King County)

2. Identify South King County from MAF/TIGER DB published by the US Census Bureau:

   Use shapefiles to plot all counties in Washington; isolate King County; highlight South King County, defined by PUMA regions (11610-11615)

3. Assess trend between most recently available data (2017) and from original report (2014)
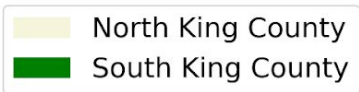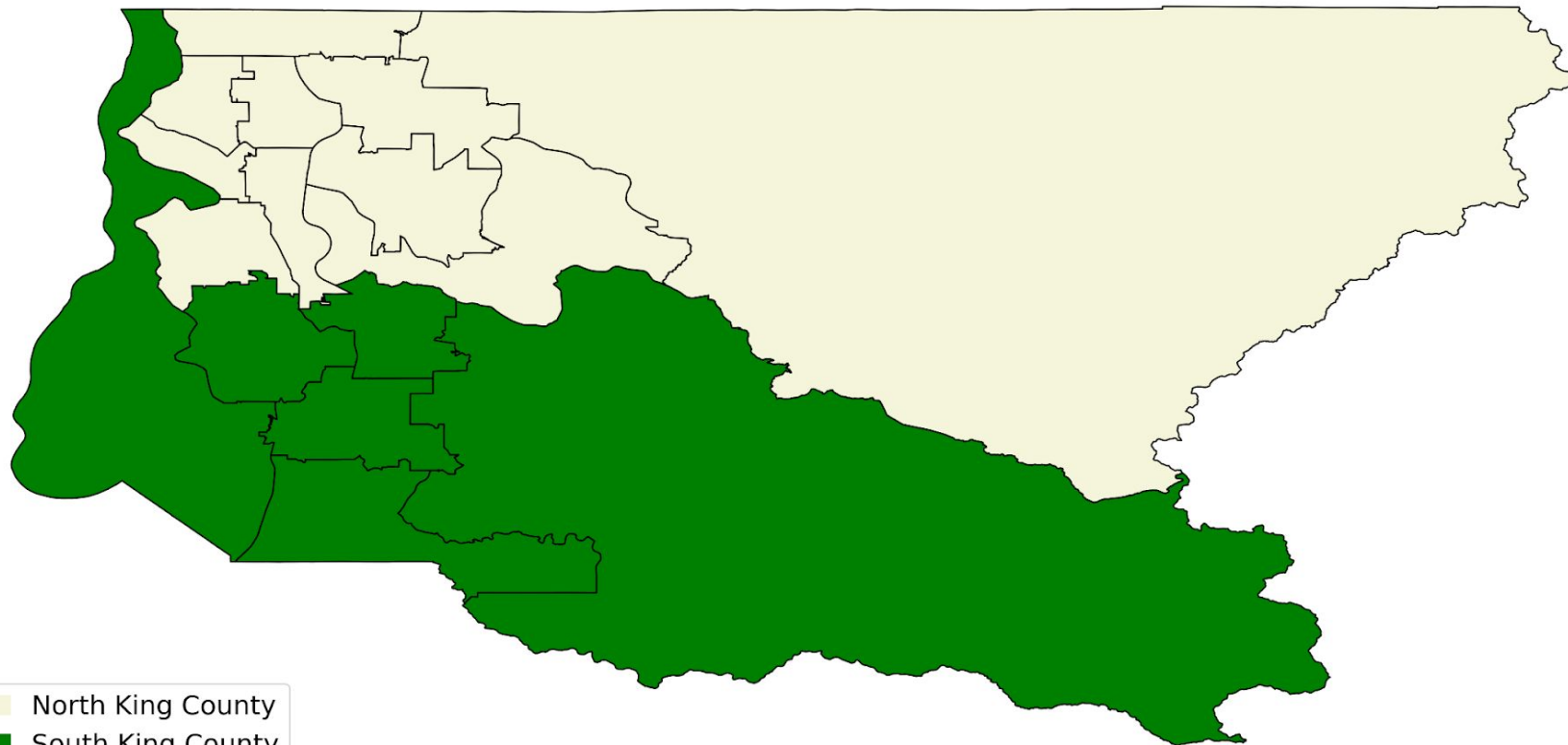
Washington State by PUMA

Washington State PUMAS
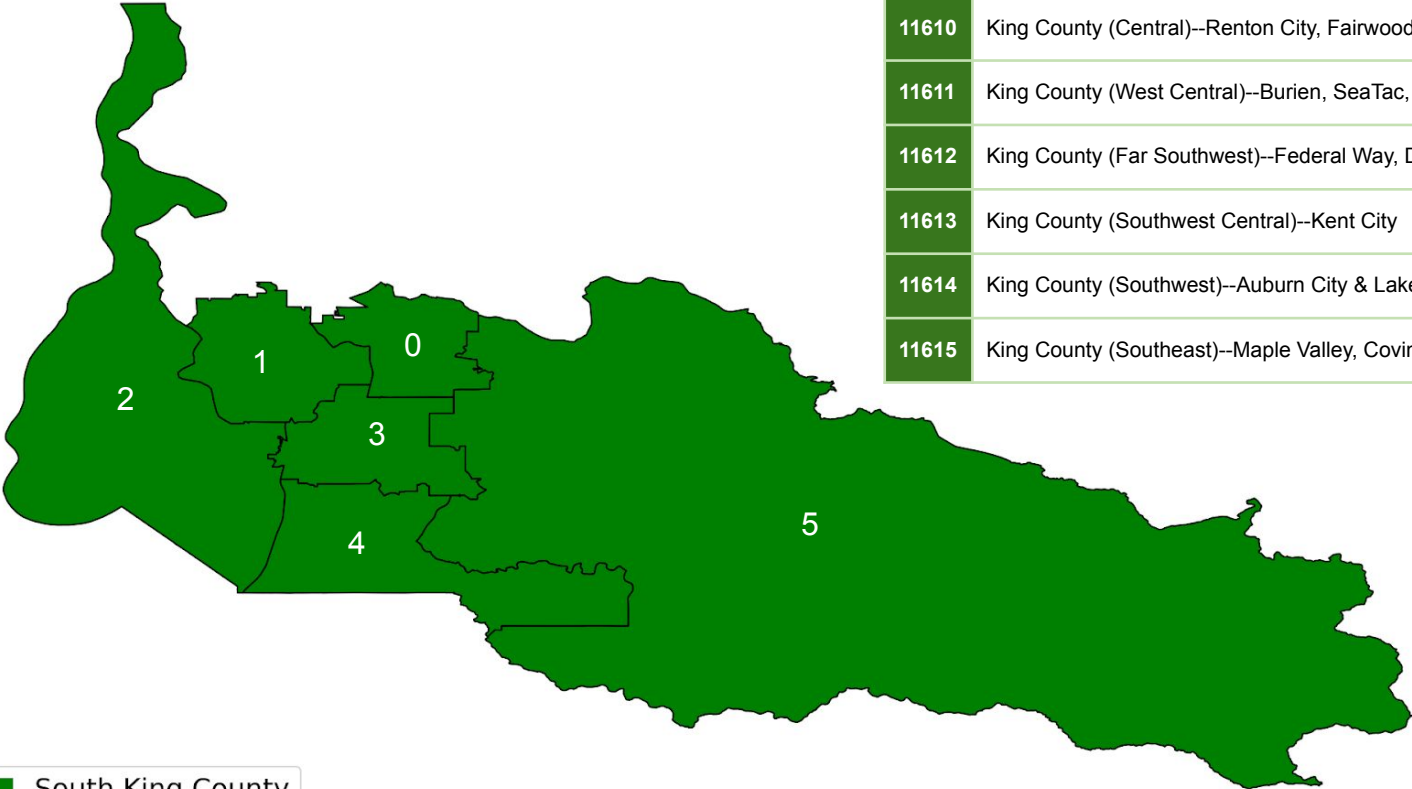

Washington State
King County

King County by PUMA

King County PUMAS

Legend:
- North King County
- South King County

South King County by PUMA

South King County PUMAS

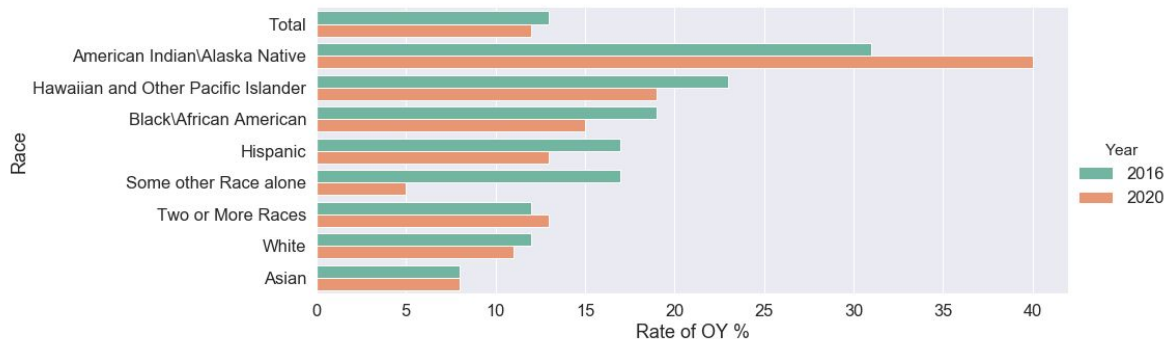|	
11610	King County (Central)--Renton City, Fairwood, Bryn Mawr & Skyway
11611	King County (West Central)--Burien, SeaTac, Tukwila Cities & White Center
11612	King County (Far Southwest)--Federal Way, Des Moines Cities & Vashon Island
11613	King County (Southwest Central)--Kent City
11614	King County (Southwest)--Auburn City & Lakeland
11615	King County (Southeast)--Maple Valley, Covington & Enumclaw Cities

South King County

Opportunity Youth Overview

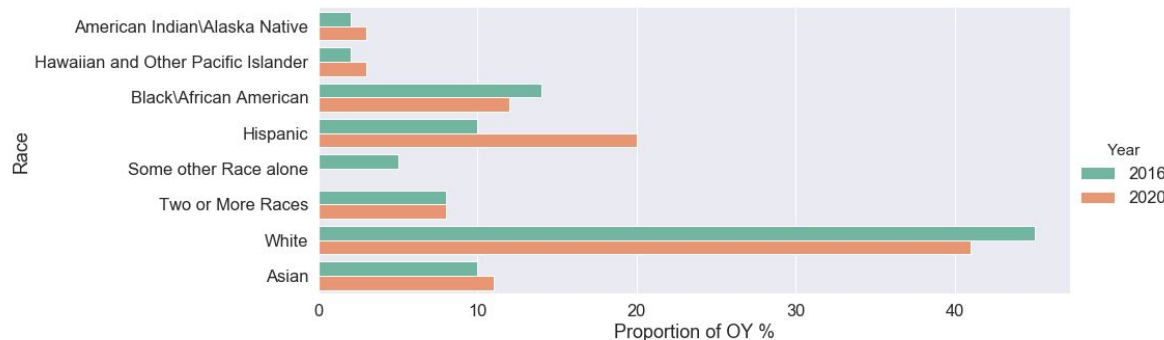|	Age Groups						Totals		2016 report Δ
	16-18		19-21		22-24				
Total Population	100%	30,141	100%	25,486	100%	30,256	100%	85,883	
Opportunity Youth	6%	1,815	16%	3,902	16%	4,897	12%	10,614	-1%
Working without Diploma	14%	4,377	6%	1,630	6%	1,705	9%	7,712	+5%
Not an Opportunity Youth	80%	23,949	78%	19,954	78%	23,654	79%	67,557	-4%
	16-18		19-21		22-24		Totals		
Opportunity Youth	100%	1,815	100%	3,902	100%	4,897	100%	10,614	
No Diploma	50%	916	28%	1,112	28%	1,349	32%	3,377	+2%
HS Diploma or GED	43%	781	56%	2,176	44%	2,135	48%	5,092	+9%
Some College, No Degree	7%	118	14%	521	20%	1,000	15%	1,639	-4%
Degree (Associate or Higher)	0%	0	2%	93	8%	413	5%	506	-7%

Callouts

1. Total sample size has dropped by 39%

2. The proportion of O.Y. to total youth population has slightly decreased

3. In the long run, the goal is for both O.Y. and youth working without diplomas to *both* decrease

4. There are now proportionally fewer college-educated O.Y. across all age brackets

Opportunity Youth Deeper Look

As a share of all American Indian/Alaska Native youth, higher percentage are now classified as OY

As a share of all OY, Hispanic youth are now a higher percentage

Recommendations for SRP

- Assess ROI of existing support programs and derive recommendations for greater efficiency

- Highlight some individual success stories to the local business community to drive better hiring

- Focus more on OY segments showing regressions, or the least improvement

Next Steps for Analysis

Data Freshness & Richness

- Precisely duplicate sample set of 2016 report
- Use PUMA Survey from 2014-2018
- Include all intervening years in trend analysis

Additional EDA

- Choropleth of O.Y. data by PUMA
- Available jobs for < 29 in South King County by PUMA:
  - Most popular industries for employment
  - Industries with the greatest shortage of workers

Expanded Scope

- Track O.Y. pipeline over time

Appendix

References

1. Seattle Region Partnership. 2016. "King County Opportunity Youth Overview: Demographics of opportunity youth and systemic barriers to employment". Available at: https://bit.ly/2oRGz37.

2. Yohalem, N., Cooley, S. 2016. "Opportunity Youth in the Road Map Project Region". Community Center for Education Results. Available at: https://bit.ly/2P2XRF3.

3. ACS 5-Year Estimates - Public Use Microdata Sample (2017). Available at https://bit.ly/37opwpi.

4. TIGER/Line Shapefile, 2017, 2010 state, Washington, 2010 Census Public Use Microdata Area (PUMA) State-based. Available at https://bit.ly/31P8Iqu.

Opportunity Youth Status by Age

	Age Groups							Totals		2016 report Δ
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Remaining Tasks

1. ~~[D/C] update environment.yml file (1 hr)~~
2. ~~[ALL] refactor code into src directory (2 hrs)~~
3. [ALL] prettify & comment all code, include references between sections of the E2E workflow (2 hrs)
4. ~~[C] save all visualizations under reports/figures/ (1-2 hrs)~~
5. [ALL] compile visualization/presentation notebook referencing a. /src/ functions b. header with description c. document the data sources (2 hrs)
6. ~~[H] fill in readme.md file with process, methodology and findings (2 hrs)~~
7. ~~[H] fill in presentation (2-4 hrs)~~
8. [H] fill in reports/memo.md with the same info as the presentation deck (1 hr)
9. clean up exploratory notebooks (1 hr)