

South King County Opportunity Youth

What's changed from 2016 to 2017?

Background

- The original report was conducted by a group called Road Map Project
- They're mission was to look for Opportunity Youths (OY) in the South King County area
- ~18,000 OY in original data
- Participants were 2 to 3 times more likely to go back to school and/or find meaningful employment afterwards compared to those who didn't participate.
- One major obstacle in helping these youths remain...

Goals

1. **Map** the Public Use MicroData Areas (PUMAs) for South King County
2. **Update** the South King County OY population estimates for 2017
3. **Compare** changes within given age groups including:
 - The number of OYs vs. non-OYs
 - Within OYs, compare their educational backgrounds

Data

- 2010 PUMA data
 - Found which PUMA values correspond to districts in South King County
- From 2017 Public Use Microdata Sample (PUMS)
 - Data refined for above PUMAs
 - ages 16 - 24
 - *not* in school
 - *not* working
 - highest grade level achieved
- 10,614 OY from analysis (12.5% of youths)

Methodology

- Analyzed region of South King County
- Each bounded area is a **PUMA**
 - PUMAs partition each state into units containing no fewer than 100,000 people
 - Updated the OYs by PUMA

	sum	puma_name
puma		
11610	1853.0	King County (Central)--Renton City, Fairwood, Bryn Mawr & Skyway
11611	2038.0	King County (West Central)--Burien, SeaTac, Tukwila Cities & White Center
11612	1977.0	King County (Far Southwest)--Federal Way, Des Moines Cities & Vashon Island
11613	2006.0	King County (Southwest Central)--Kent City
11614	1530.0	King County (Southwest)--Auburn City & Lakeland
11615	1210.0	King County (Southeast)--Maple Valley, Covington & Enumclaw Cities



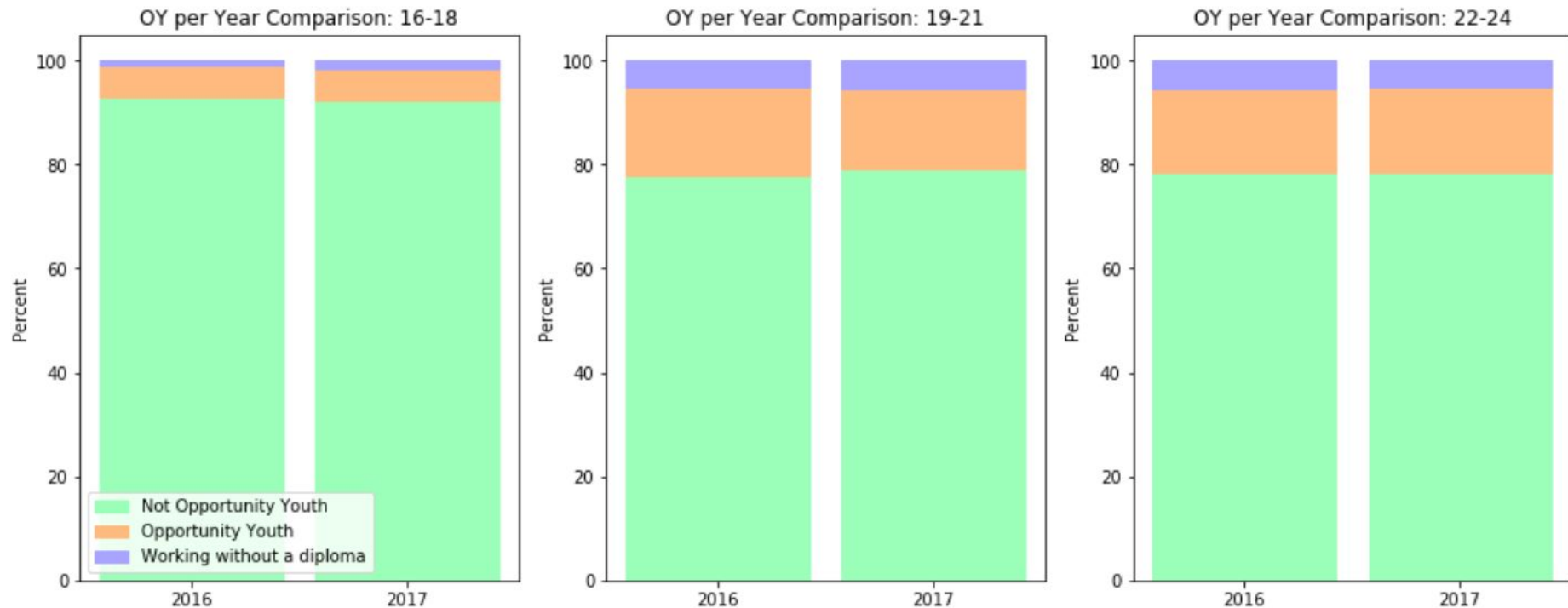
Seven King County School Districts' Aggregated Opportunity Youth Status by Age (2016)

<i>Age Group</i>		16 - 18	19 - 21	22 - 24	All Groups
<i>Population of Age Group</i>		50,053	41,651	48,031	139,735
	<i>Opportunity Youth</i>	6%	17%	18%	13%
	<i>Working without a Diploma</i>	1%	5%	6%	4%
	<i>Not an Opportunity Youth</i>	93%	78%	76%	83%

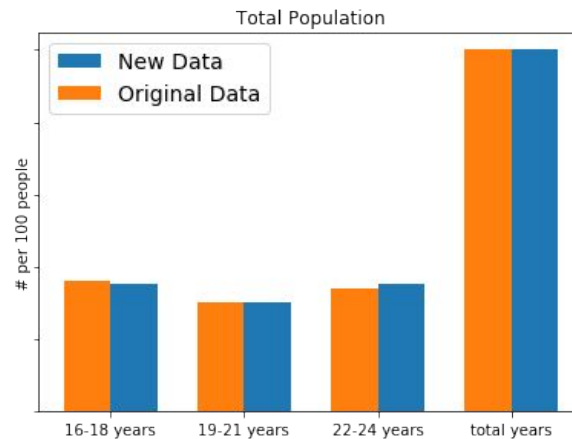
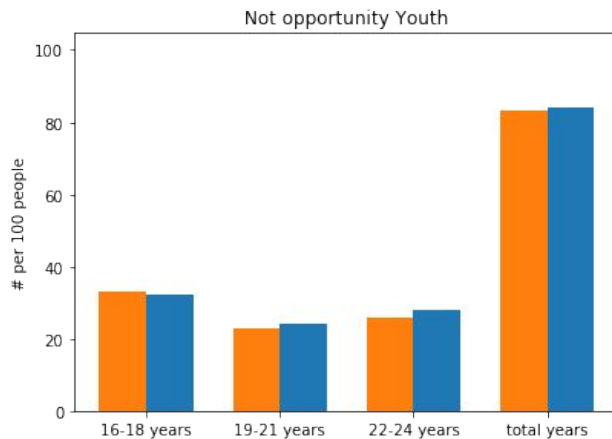
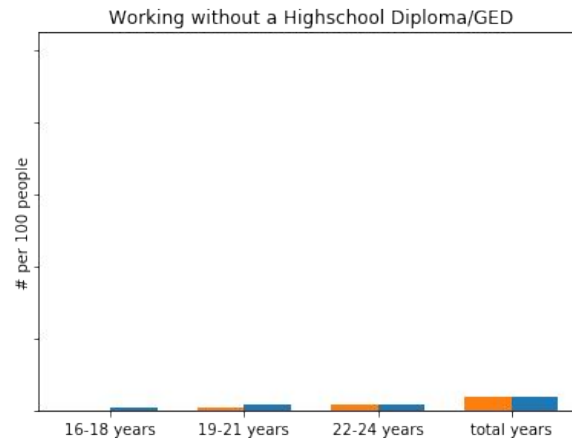
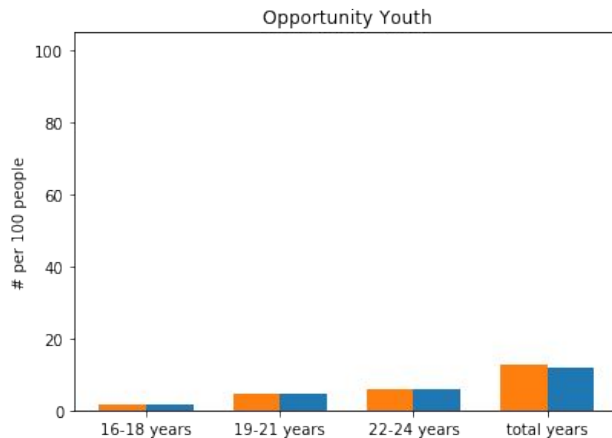
South King County Opportunity Youth Status by Age (2017)

<i>Age Group</i>		16 - 18	19 - 21	22 - 24	All Groups
<i>Population of Age Group</i>		30,141	25,486	30,256	86,153
	<i>Opportunity Youth</i>	6%	15% ↓	16% ↓	12.5%
	<i>Working without a Diploma</i>	2%	6%	5%	4%
	<i>Not an Opportunity Youth</i>	92%	79%	79% ↑	83.5%

South King County Youth Categories



South King County Youth Categories



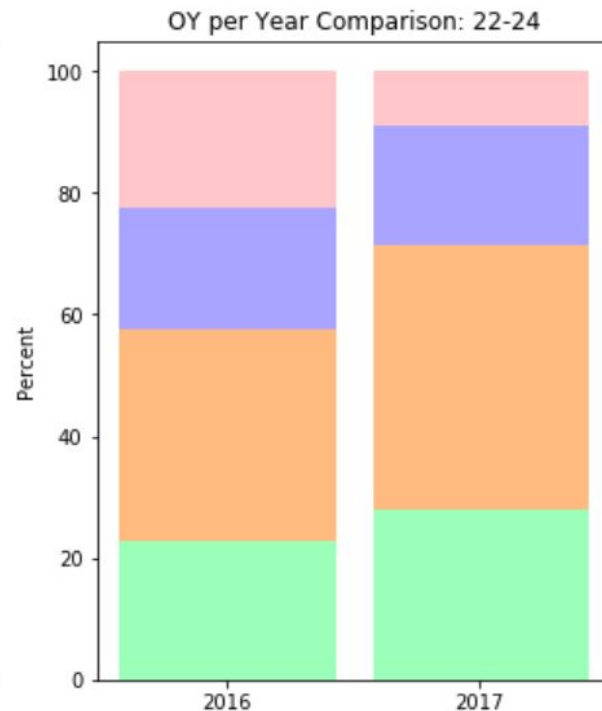
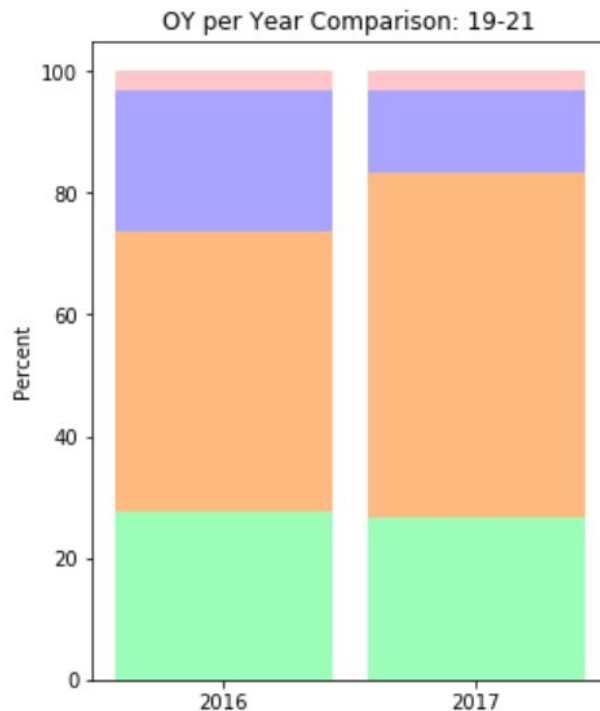
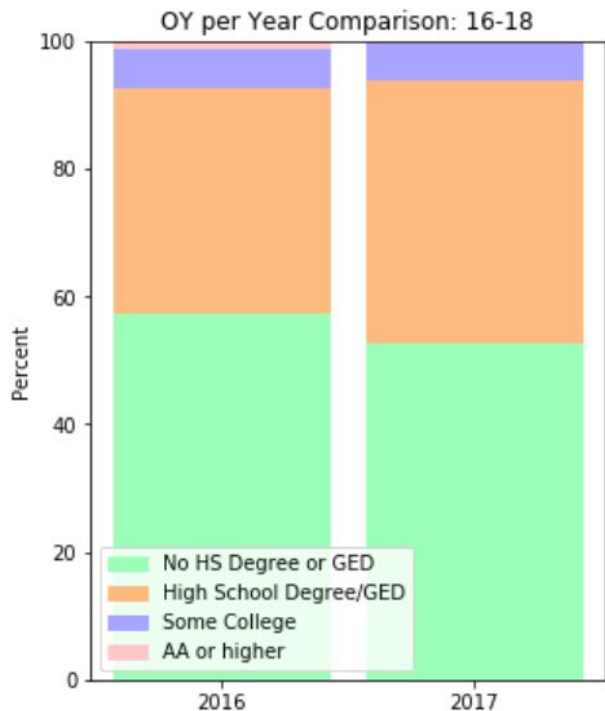
Seven K.C. School Districts' Aggregated Opportunity Youths' Education Level by Age (2016)

<i>Age Group</i>		16 - 18	19 - 21	22 - 24	All Groups
<i>Population of Age Group</i>		2,805	7,284	8,728	18,817
	<i>No Diploma</i>	57%	28%	23%	30%
	<i>HS Diploma or GED</i>	35%	46%	35%	39%
	<i>Some College, No Degree</i>	6%	23%	20%	19%
	<i>Degree (Associate's or Higher)</i>	1%	3%	22%	12%

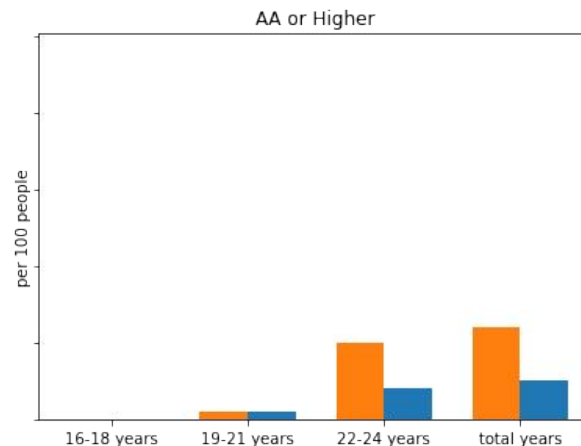
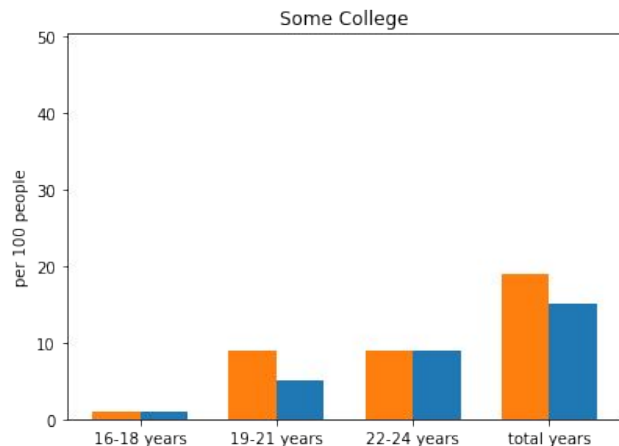
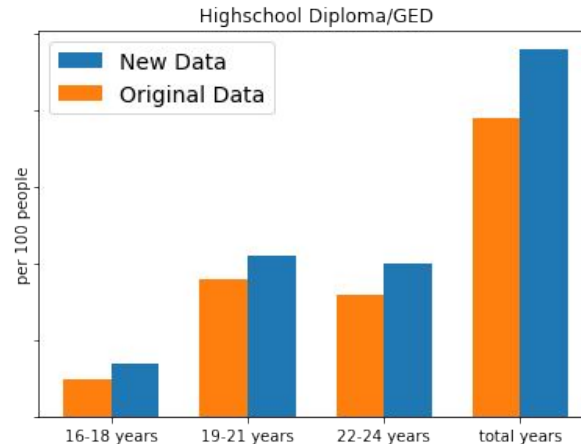
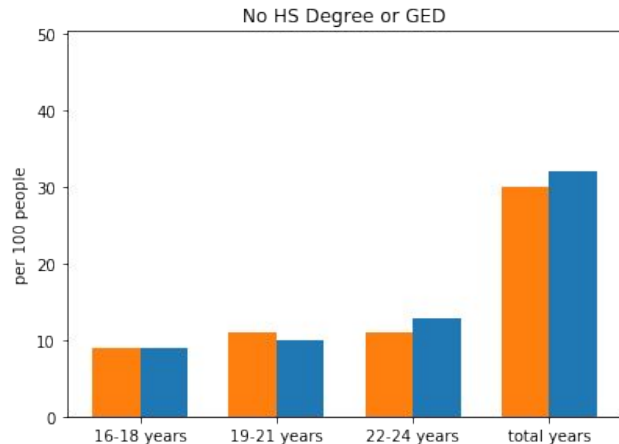
South King County Opportunity Youths' Education Level by Age (2017)

<i>Age Group</i>		16 - 18	19 - 21	22 - 24	All Groups
<i>Population of Age Group</i>		1,815	3,902	4,897	10,614
	<i>No Diploma</i>	50%	28%	28%	32%
	<i>HS Diploma or GED</i>	43%	56%	44%	48% ↑
	<i>Some College, No Degree</i>	7%	13%	20%	15%
	<i>Degree (Associate's or Higher)</i>	0%	2%	8%	5% ↓

Opportunity Youth Demographics



Opportunity Youth Demographics



Analysis & Conclusions

- Survivorship **bias** & exit surveys
 - Large drop in AA/College graduates
- Dataset incongruities
 - **Asymmetries** between areas assessed result in larger standard error
- Changes year-over-year of Age Group membership
- “Working without a Diploma” is a **category subset** of ‘Not Opportunity Youth’
 - “Meaningful” work?

Next Steps

- Map updates and other graphical styling
- Demo how changing parameters will change results
 - Add South Seattle
 - “Working without a Diploma”
- Explore and analyze Education Level comparison
- Incremented Age Group

Questions?