

Module 1 Project Presentation

Arman, Paul, and Jonny

Agenda

- Introduction
- Findings
- Conclusion and recommendations

Introduction

The goal was to inform the Seattle Region
Partnership of OY using education and work history

Findings

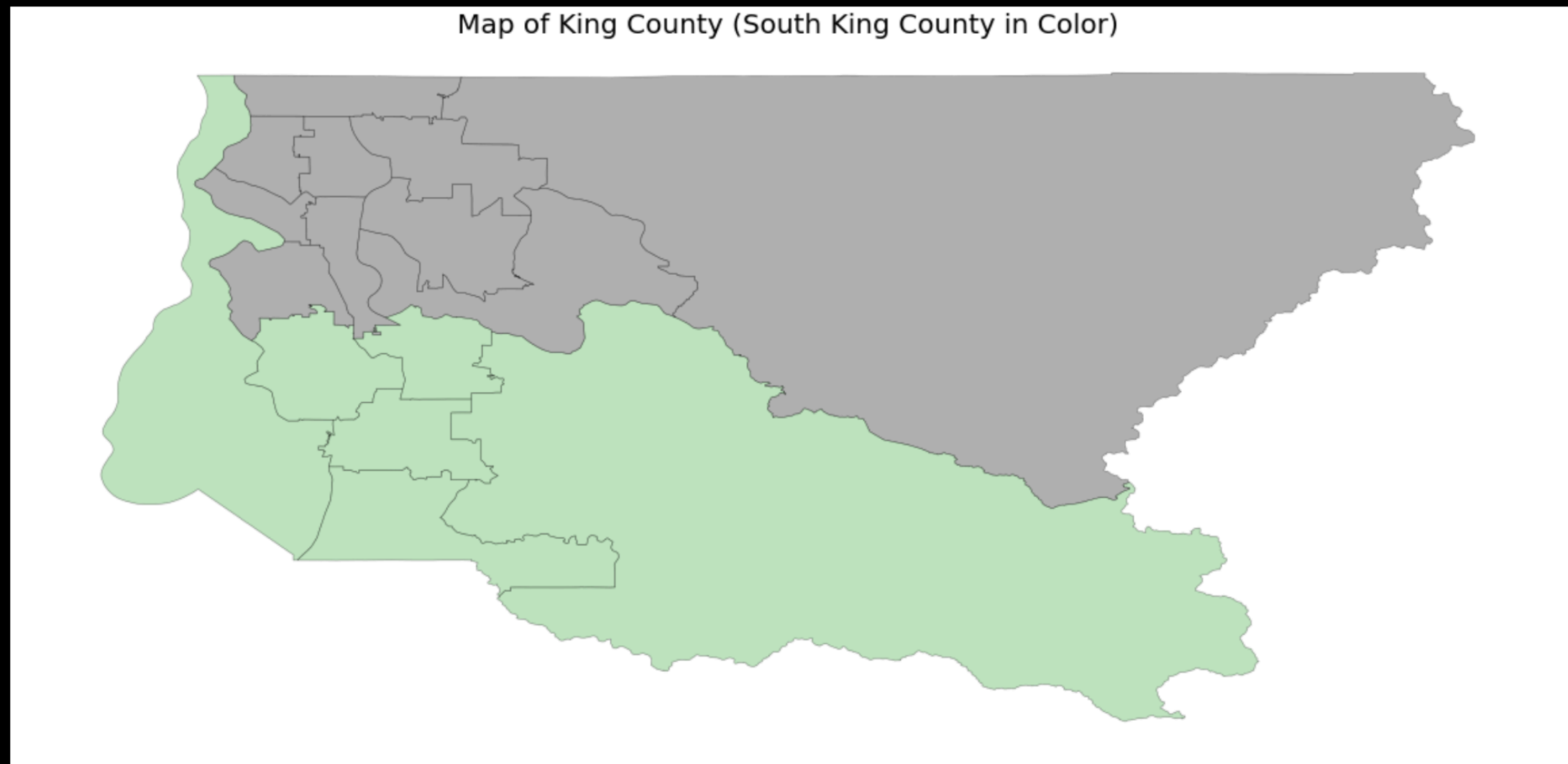
- Used Pandas to create a visualisation indicating the location of King County cities in South King County (SKC)
- Used SQL to query parameters to estimate the Opportunity Youth (OY) in South King County
- Produce and up to date table with the latest Opportunity Youth Status by Age findings
- Patterns in data trends between 2016 and present

Methodology

Overcoming the question took a systematic approach and the following questions were asked:

- What was the target needing achieved?
- What were the exact parameters required?
- What was the best way to extract information by utilising the database according to the parameters?

Map of South King County



Areas in green highlight cities within South King County

Number of OY in SKC

	puma	agep	esr	sch	schl
8161	11610	19	not in labor force	not in school	19.0
2535	11610	22	not in labor force	not in school	5.0
24768	11610	18	not in labor force	not in school	16.0
24554	11610	20	not in labor force	not in school	18.0
24241	11610	23	not in labor force	not in school	16.0
...
20980	11615	20	not in labor force	not in school	16.0
3204	11615	19	unemployed	not in school	16.0
21185	11615	24	unemployed	not in school	15.0
3059	11615	22	not in labor force	not in school	19.0
8204	11615	24	unemployed	not in school	19.0

391 rows × 5 columns

OY Update

agep_categories		age_totals
0	16-18	187.0
1	19-21	56.0
2	22-24	56.0
3	Total:	299.0

Total Population - 2019 OY Update by Age Group Displaying No Diploma

agep_categories		age_totals
0	16-18	1071.0
1	19-21	765.0
2	22-24	967.0
3	Total:	2803.0

Total Population - 2019 OY Update by Age Group Displaying Not Part of OY Group

OY Update

	agep_categories	no_diploma_totals
0	16-18	4.0
1	19-21	13.0
2	22-24	11.0
3	Total:	28.0

No Diploma

	agep_categories	diploma_or_GED_totals
0	16-18	19.0
1	19-21	79.0
2	22-24	83.0
3	Total:	181.0

HS Diploma or GED

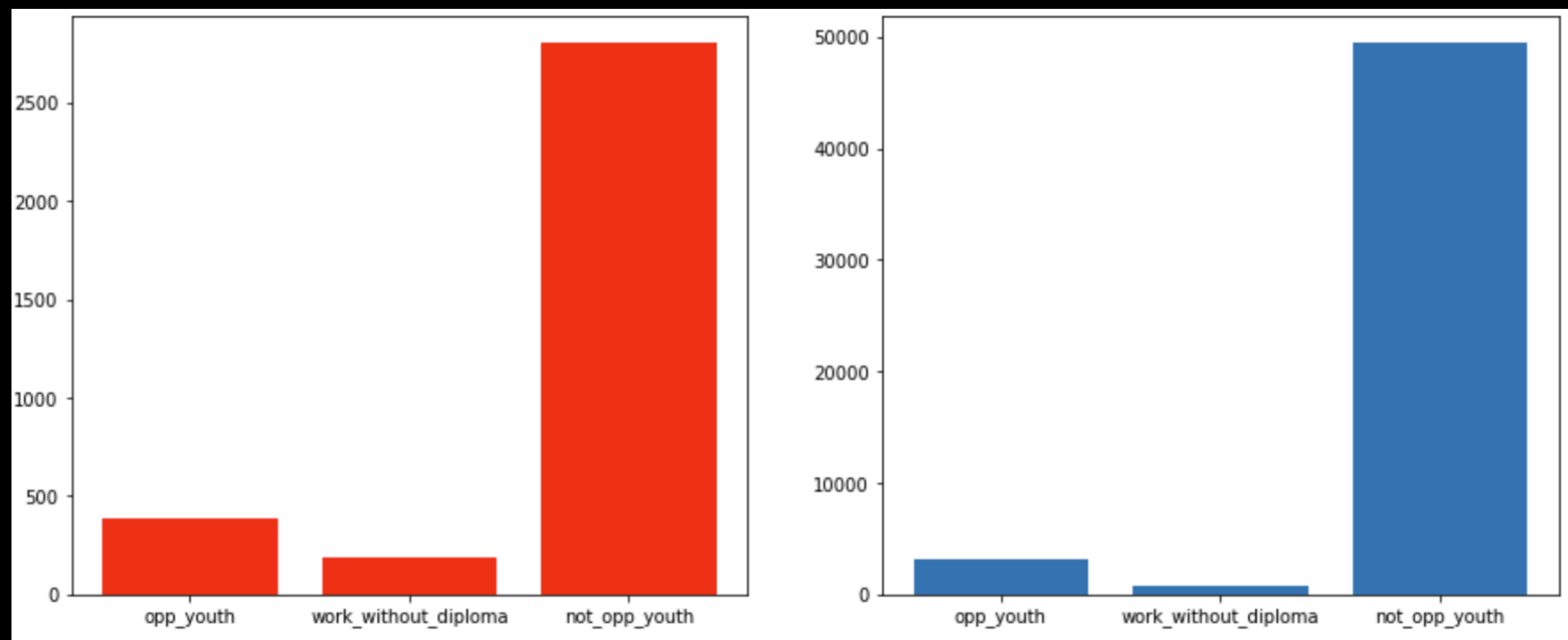
	agep_categories	Some_college_no_Deg_total
0	16-18	2.0
1	19-21	16.0
2	22-24	38.0
3	Total:	56.0

Some college, no degree

	agep_categories	Associates_or_higher_total
0	16-18	0.0
1	19-21	4.0
2	22-24	17.0
3	Total:	21.0

Degree (Associate or Higher)

Visualisations and Difference in Data Between 2016 and 2018



2018 Data

2016 Data