

# GROWTH & OUTREACH RESOURCES

## Introduction

This document is for the Open Data Alliance to guide growth within the alliance and outreach from the alliance to the public. The growth section will focus on resources for alliance members grouped by open data and by technical skills. The outreach section will focus on resources to help aid in community engagement and outreach.

## Growth

### Open Data

#### [WA OCIO – Guidance: Agency Open Data Plans](#)

- *Intended to guide the creation of an open data plan.*

#### [WA OCIO – Guidance: What Data to Publish](#)

- *Intended to guide the selection of data for publication as open data.*

#### [City of Seattle Open Data Playbook](#)

- *Originally used for Seattle's Open Data Champions – useful tips for selecting datasets.*

#### [The Sunlight Foundation – Guidelines for Open Data Policies](#)

- *Includes direction on what data to choose, how to make it public, and policy creation.*

#### [The Sunlight Foundation – Public Policy for Public Data](#)

- *Intended for initial policy creation regarding open data.*

#### [U.S. City Open Data Census](#)

- *Helpful for comparison to other cities and to understand what is published elsewhere.*

#### [Open Government Data by Joshua Tauberer](#)

- *A book about the principles, practices, and history of open government data.*

#### [Open Data Institute – Guides](#)

- *A curated set of guides that deal directly with all aspects of open data.*

#### [Open Knowledge International – Open Data Handbook](#)

- *A website dedicated to providing guides, value stories, and resources about open data.*

#### [IRM: Aligning Supply and Demand for Better Data Governance](#)

- *A paper with a focus on government and open data utilization.*

# GROWTH & OUTREACH RESOURCES

## Technical Skills

### *Resources for learning Python*

#### [LearnPython.org](https://www.learnpython.org/)

- *Provides interactive Python tutorials for data science.*

#### [Dive Into Python](https://diveintopython.org/)

- *A step-by-step guide for learning python.*

#### [Automate the Boring Stuff](https://automatetheboringstuff.com/)

- *A guidebook for beginners learning how to code with python.*

#### [Think Stats 2e](https://thinkstats2.com/)

- *An introduction to probability and statistics for python users. Focuses on theory and principles.*

#### [Google's Python Class](https://codelabs.developers.google.com/codelabs/python/index.html)

- *A class for people with a little programming experience who want to learn python.*

#### [Software Carpentry](https://datacarpentry.org/)

- *Tutorials designed for teaching R and Python.*

#### [Conda](https://conda.io/)

- *A scientific computing environment for Python or R.*

### *Resources for learning R*

#### [Data Camp – Introduction to R](https://datacamp.com/courses/introduction-to-r)

- *An introductory course for learning R.*

#### [Swirl](https://swirlstats.com/)

- *Provides interactive R tutorials for data science.*

#### [Data Science Journal by Cecilia Lee](https://data-science-journal.com/)

- *A blog dedicated to teaching people how to use R for programming.*

#### [Tutorials Point – Learning R](https://www.tutorialspoint.com/r-programming/)

- *A detailed course/tutorial for learning R.*

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## *Other Resources*

### [NNIP – Beyond PDFs: Visualizing Your Data](#)

- *Video presentation about visualizations and recommendations.*

### [Open Data in a Day](#)

- *An introductory course focused on open data properties such as cleaning.*

### [Sunlight Academy](#)

- *A plethora of interactive tutorials for working with government data.*

## **Outreach**

### [The Sunlight Foundation & What Works Cities: A Guide to Tactical Data Engagement](#)

- *A guide for government officials to work with the community regarding open data.*

### [The Sunlight Foundation: Tactical Data Engagement Playbook: Data User Groups](#)

- *Similar to the TDE above but with a focus on user groups.*

### [National Neighborhood Indicators Partnership's Guide to Starting a Local Data Intermediary](#)

- *For possible future use when funding becomes a factor. Focus on local usage.*

### [The Sunlight Foundation: Does your Open Data project match community needs?](#)

- *A quiz for identifying the compatibility of an OD project and community needs.*

### [Western Pennsylvania Regional Data Center: Create Your Own Data User Guides](#)

- *A template creating data user guides for your public users.*

### [Open Seattle](#)

- *A Code for America Brigade that works on projects in the state of Washington.*

### [Democracy Lab](#)

- *Provides contacts for tech-for-good projects in Seattle.*