



# Building Better Nonprofits

Ashley, Ganesh, Matthew, Razib

# Problem & Motivation

With the growing number of nonprofit organizations, data science can help these organizations steer their limited resources towards the right target for maximum impact, as well help policy decision makers on defining the scope of these nonprofit





# Dataset

Root Website -> <https://aws.amazon.com/public-data-sets/irs-990/>

Schemas are present in

<https://www.irs.gov/charities-non-profits/990-990-ez-990-pf-ty2016-v1-0-schema-business-rules-and-release-memo>

IRS 990 Filings from Non-Profit Organizations



Form **990** **Return of Organization Exempt From Income Tax** OMB No. 1545-0047

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)  
Do not enter social security numbers on this form as it may be made public.  
Information about Form 990 and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).

**2015**  
**Open to Public Inspection**

Department of the Treasury  
Internal Revenue Service

**A** For the **2015** calendar year, or tax year beginning , 2015, and ending , 20

**B** Check if applicable:  
☐ Address change  
☐ Name change  
☐ Initial return  
☐ Final return/terminated  
☐ Amended return  
☐ Application pending

**C** Name of organization  
Doing business as  
Number and street (or P.O. box if mail is not delivered to street address) Room/suite  
City or town, state or province, country, and ZIP or foreign postal code

**D** Employer identification number  
**E** Telephone number  
**G** Gross receipts \$

**F** Name and address of principal officer:  
**H(a)** Is this a group return for subordinates? ☐ Yes ☐ No  
**H(b)** Are all subordinates included? ☐ Yes ☐ No  
If "No," attach a list. (see instructions)  
**H(c)** Group exemption number ▶

**I** Tax-exempt status: ☐ 501(c)(3) ☐ 501(c) ( ) (insert no.) ☐ 4947(a)(1) or ☐ 527

**J** Website: ▶

**K** Form of organization: ☐ Corporation ☐ Trust ☐ Association ☐ Other ▶ **L** Year of formation: **M** State of legal domicile:

**Part I Summary**

**1** Briefly describe the organization's mission or most significant activities:

# Outcomes

- Statistics
- Categories
- Impacts
- Challenges
- Policy making

