

Making the most of

Astro Hack Week 2017

The SOC

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Thank you to the Sponsors!

GORDON AND BETTY
MOORE
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ALFRED P. SLOAN
FOUNDATION



eScience Institute

ADVANCING DATA-INTENSIVE DISCOVERY IN ALL FIELDS



Google

galvanize

Many ways to engage

talk to each other :)

Twitter: #AstroHackWeek2017

Slack

Flash Introductions

3 sentences:

- ★ **"My name is <first name> <last name>, and you may know me as <handle> on Twitter."**
- ★ **Where do you work? What do you work on?**
- ★ **What are your hopes for Astro Hack Week?**

Tutorials

Ask Questions!

Help others!

"hack"

A hack is a small project with a very clear goal, which should be completed by the end of the time initially allocated to it

"hack"

**To cobble together a quick and dirty
solution to a problem**

"hack"

To **simplify (or take a quick approach to solving) a complex problem**

Hacking

```
In [5]: for i in days:
...:     pitch(projects)
...:     discuss(participants, projects)
...:     hack(participants, projects)
...:     present(participants, results(projects))
...:     cheer(participants)
```

Hacking

SCHEDULE

| | | | |
|-------|------------|--|--|
| Day 1 | Morning: | Machine Learning | David W Hogg, Adrian Price-Whelan |
| | Afternoon: | breakout sessions, open hacking | |
| Day 2 | Morning: | Bayesian statistics, Google Cloud Platform | Jake Vanderplas, Boris Leistedt, Amy Unruh |
| | Afternoon: | break-out on Google Cloud Platform, open hacking | |
| Day 3 | Morning: | Building/Contributing to Open-Source Software Projects | Erik Tollerud, Brigitta Sipocz |
| | Afternoon: | Community Hacking at Galvanize | |
| Day 4 | Morning: | Data Visualization | Daniela Huppenkothen, James Davenport |
| | Afternoon: | break-out on TensorFlow, open hacking | |
| Day 5 | | No tutorial, only hacking | |

(show-and-tell **Friday** afternoon)

Pitch

- 1) **What** are you hacking on (in 15 seconds)
- 2) **Who** do you need to help you?
- 3) **Where*** are you hacking?

***add to board!**

Pitch

- 1) **What** are you hacking on (in 15 seconds)
- 2) **Who** do you need to help you?
- 3) **Where*** are you hacking?

***add to board!**

or

- 1) **What** could you help* with?

***= have just enough knowledge to hack on it for a day + know how to search stack overflow**

Hacking

[https://github.com/AstroHackWeek/
AstroHackWeek2017/wiki/Hacking-Central](https://github.com/AstroHackWeek/AstroHackWeek2017/wiki/Hacking-Central)

Reminder

**Add AstroHackWeek2017 to your
GitHub repo!**

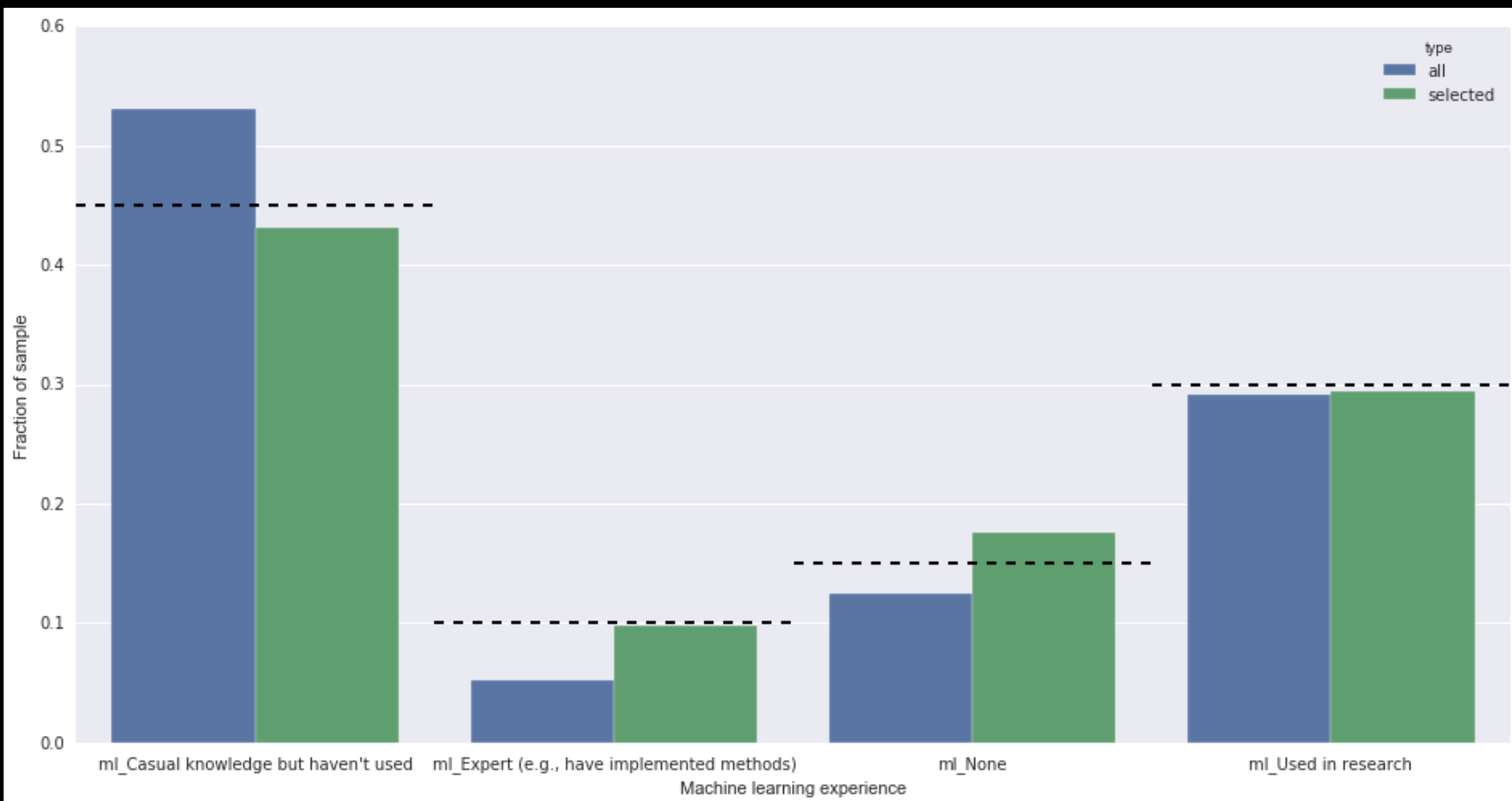
**Please acknowledge Astro Hack Week
2017 in your publications!**

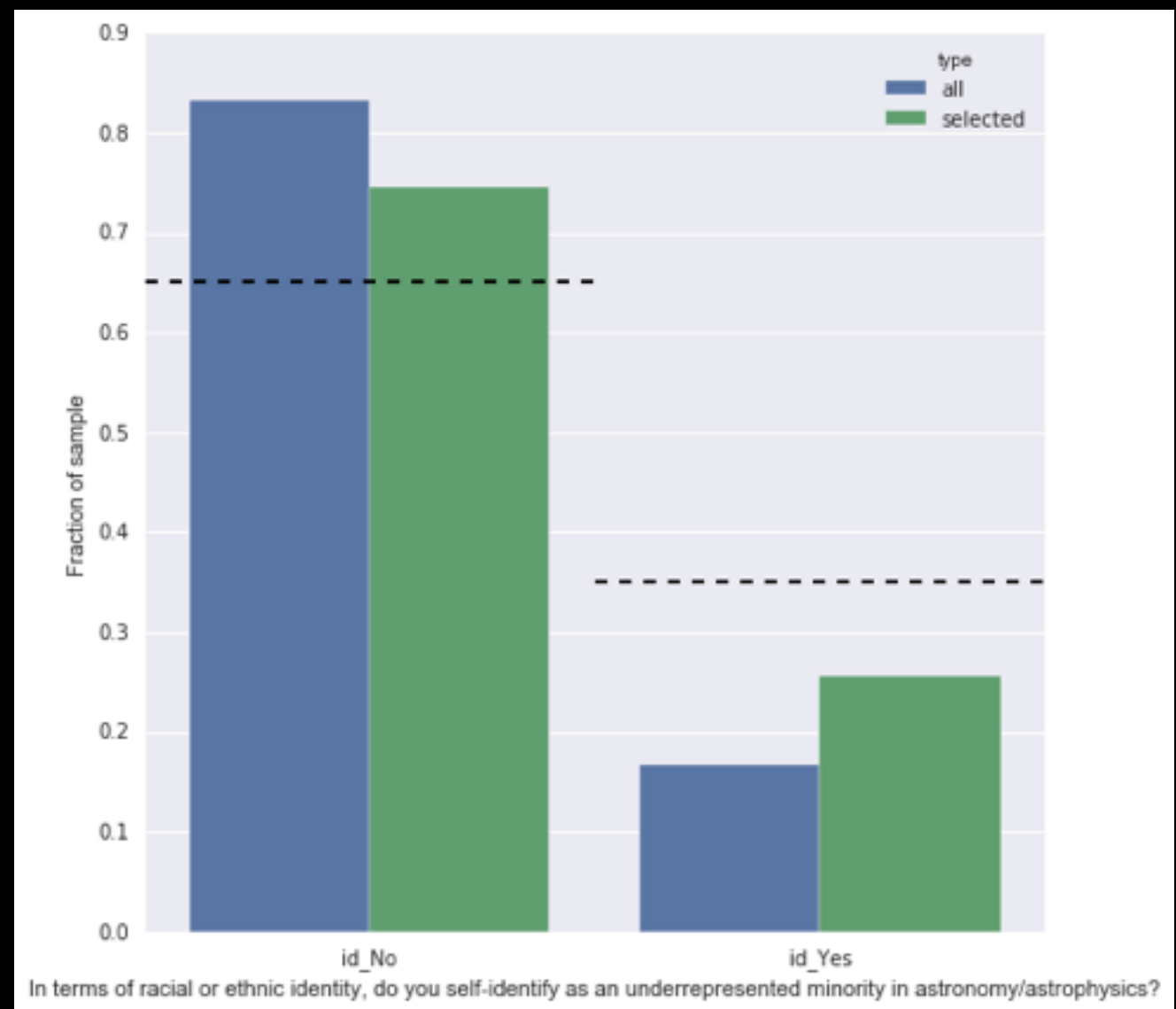
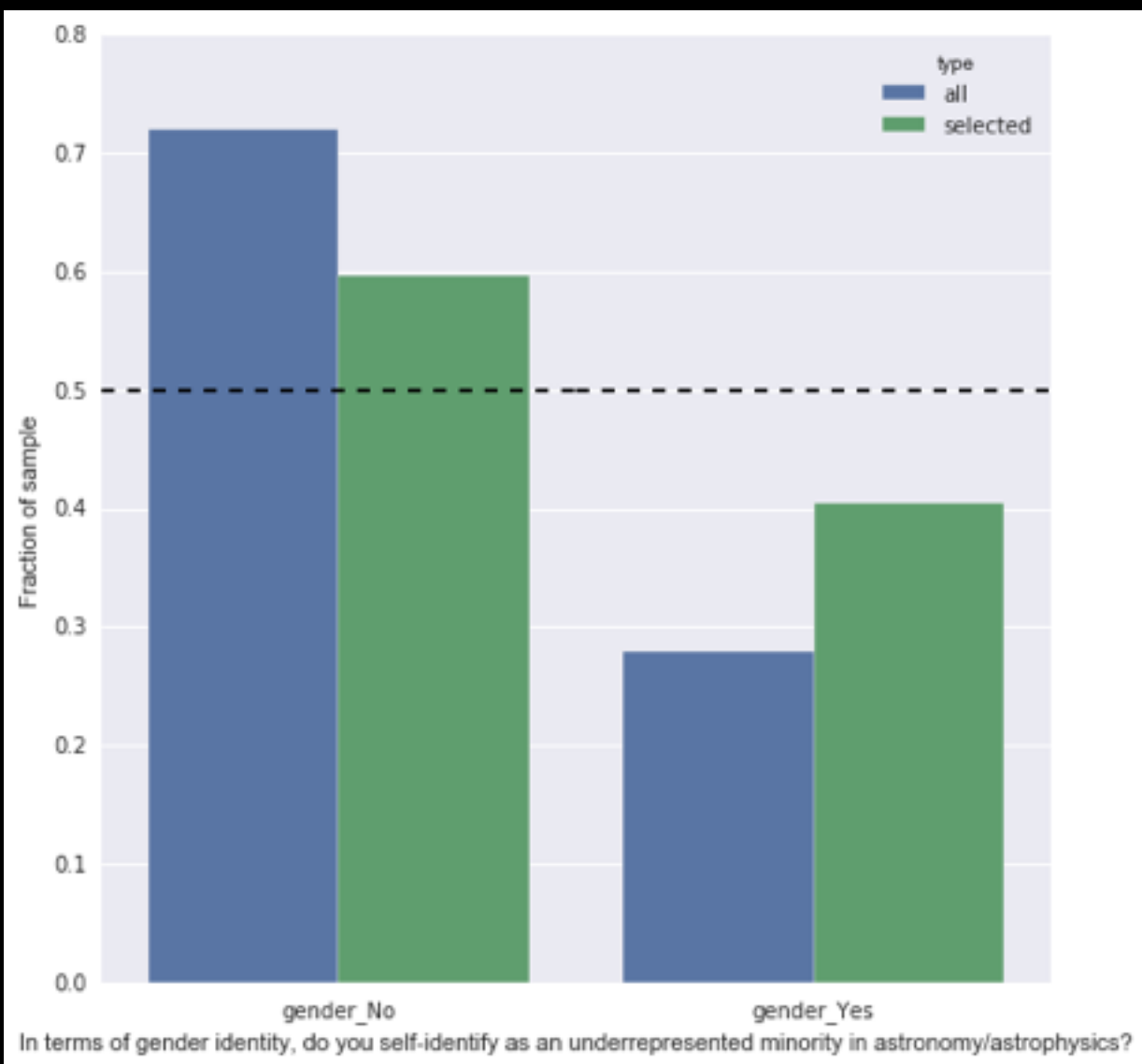
Why are you here?

**We think you have something to
contribute to Astro Hack Week**

Diversity is Excellence

- **academic discipline**
- **seniority**
- **machine learning knowledge**
- **statistics knowledge**
- **demographics**





Impostor Syndrome

**PSA: The Impostor Syndrome
is real!**

PSA: The Impostor Syndrome is real!

"Knowledge is fragmented. Everyone only knows bits and pieces. Impostor syndrome mostly an illusion driven partly by comparing your single mind with a sum over other people."

– Brendon Brewer

**Everyone is an expert at
(a different) something**

**To first order,
everyone here feels it**

Don't be intimidated

Ask Questions!

Code of Conduct

- ★ Our goal is to have a **positive, inclusive, successful and growing community**
- ★ We must make an effort to **break bad habits**
- ★ **Exclusionary jokes are not appropriate!**
- ★ **Welcome questions and answer them respectfully!**

Code of Conduct

- ★ **Avoid shaming or bashing** any particular tech choice
- ★ **Encourage productive and respectful debate** and disagreement
- ★ **Take action** when the code of conduct is broken
 - ★ **Talk privately with the person**
 - ★ **Contact anyone on the SOC about concerns**