Great Funding Opportunities for Statistician

**Industries with More Findings**
- ✔ Health care industry
- ✔ Software and internet industry
- ✔ Computer and electronics industry

**Research Areas Focused on**
- ✔ New types of data such as data from sensors with continues measurement (such as IoT)
- ✔ Models using new source of data to bring business value
- ✔ Data governance, privacy and policies

**Familiar Business Problems**
- ✔ Consulting experience
- ✔ Past collaboration relationship
- ✔ Connection through students and peers

**Closely Related Innovation Alignments**
- ✔ Establish causal relationship and actionable insight
- ✔ Statistical Learning, Machine Learning, Artificial Intelligence

**Not So Familiar New Challenges**
- ✔ Large amount of data and corresponding big data platform
- ✔ New features/problems/challenges associated with big data
- ✔ New methods to leverage the big data
Amazon Research Award (ARA)
Faculty Level Collaboration

- ARA offers up to $80k to faculty members at academic institutions in
  - Computer vision
  - Economics
  - Knowledge management and data quality
  - Machine learning algorithms and theory
  - Natural language processing
  - Operations research and optimization
  - Personalization
  - Robotics
  - Search and information retrieval
  - Security, privacy and abuse prevention
  - Speech
- Proposals may include a request for up to $20k of AWS Credits
- ARA funds projects conducted primarily by PhD students or post docs
- Each funded team is assigned an Amazon research contact
- ARA funding is distributed as unrestricted gifts to universities
- 2018 Focus Areas has announced on June 15 and proposal is due on September 15
- More Details at: https://ara.amazon-ml.com/
Proposal Reviewing Process

- Award panel is formed
  - Area Chairs, Amazon employee, experts in each area
  - Award Reviewers, Amazon employee that working in related areas, usually have PhD with a few years of experience

- Create a list of proposals after submission deadline
- Review and select proposal to be funded
  - Area Chairs to assign each proposal to multiple reviewers
  - Each reviewer is going to review and score proposals
  - Area Chairs to aggregate review results, as well provide their own opinions
  - Award Panel to select proposals to fund

- Distribute awards and assign internal contacts

- Research team to perform research and publish results
Amazon Research Award (ARA)  
*Institution Level Collaboration*

https://ara.amazon-ml.com/about/#universities

As a part of our goal to advance scientific research, Amazon collaborates with academic institutions world-wide to support multi-year initiatives through our University Amazon Research Awards program. Unlike our Faculty Amazon Research Awards program, we do not accept applications for University Amazon Research Awards.

In 2018-2020, Amazon will dedicate 420,000 Euro (500,000 US-Dollars) of Amazon Research Awards (ARA) annually, to the Max Planck Society. Max Planck Society will use this funding to support PhD candidates and post-doctoral research within the field of scope covered by the Max Planck Institute for Intelligent Systems. For more information about the Amazon-Max Planck collaboration, visit the announcement page:  
Thank you!