Innovation.gov Data Project Overview

Team members:

- Jonn Lau, Treasury (Team Leader)
- Irina Muchnik, CFPB
- Laura Kahn, USPTO
- Tara Koch, OSHA (Salt Lake)
- Dierdre White-Randall, GSA
- Lynda Lynch, US Forest Service
- Aaron Margolis, Federal Bureau of Investigation

Team Lead: Jonn Lau, Department of the Treasury
Title: Project Manager | Office of Financial Research
Office: 202-927-8017
Mobile: 202-431-1866
Jonn.Lau@OFR.Treasury.gov

I have an extensive background in data analysis, including PL/SQL, Excel, and statistics. I develop all of the Pivot Tables and PivotCharts from my division's reporting. I am starting to use Hue and Hortonworks to analyze data in a HDFS. I am also the project manager for my office's metadata repository effort, so I have some familiarity with data modeling.

Name: Irina Muchnik, Consumer Financial Protection Bureau
Title: Software Engineer
Email: Irina.Muchnik@cfpb.gov

Phone Number: 202-306-4810

A little about myself: I have been a software engineer since 2001. I work experience is comprised primarily of backend and integration roles. I have lots and lots SQL experience as well some with Document Dbs (primarily marklogic). I have always been interested in Data. I hold Bachelor's degree in Computer Science with concentration in OOP and Database design from Cal State Northridge and Master's with Machine Learning specialization from Georgia Tech.

Name: Laura Kahn, US Patent and Trademark Office
Title: Software Engineer
Email: Laura.Kahn@uspto.gov

Phone Number: 202-306-4810

I just finished a master's in data science where I worked on data cleaning and munging mostly with Python. I also have visualization experience with Tableau, QGIS and a bit of D3 and Neo4J.

Tara Koch, Department of Labor, OSHA Salt Lake Technical Center
Email: Koch.Tara@dol.gov
Title: Industrial Hygienist
Phone: (801) 634-8887 cell

I'm an industrial hygienist for OSHA/DOL and I work for the IT dept at the Salt Lake City Technical Center (SLTC). I work closely with our web admin providing and updating web resource content and looking for ways to improve the user experience.

Currently, we are in the final approval stages for an occupational chemical database relaunch. We redesigned this with the goal of merging existing chemical resources, updating older information and how it is presented, and designing and implementing a manageable maintenance plan. Our web content hasn't had much of a "face lift" in 15-20 years!

I'm interested in the overall data movement and leveraging innovation to offer better data visualization and mining tools. I have limited data science experience, self-taught and by hands-on application in the office. I've completed some online training courses, mostly from the Johns Hopkins Data Science series on Coursera (trying to understand and learn some R programming and other data science tools).

I began working with OSHA field data 5 years ago as an intern with an interest in examining trends in chemical air sampling results that are used for compliance and enforcement. Most recently I mined our SLTC in-house database (Oracle) for demographic information associated with chemical sampling results and used RapidMiner, an open source program, to create data visualizations for a conference presentation.

Another experience I've enjoyed is database administration with APEX. I've worked with 3 databases built and maintained by our dept and evaluated many points of data entry, learning how this affects structure and reporting accuracy and recommending solutions to maximize data proficiency.

Name: Deirdre White-Randall, General Services Administration

Title: Management + Program Analyst I IT Services: [Office of Information Technology Category (ITC)](#); [Federal Acquisition Service (FAS)](#); [U.S. General Services Administration (GSA)](#)
Email: deirdre.white@gsa.govDesk: 202-708-5365
Cell: 202-510-1976

Have led Category Management projects

Name: Lynda Lynch, US Forest Service

Name: Aaron Margolis, Federal Bureau of Investigation
Title: Data Scientist
Email: armargolis@fbi.gov

Data scientist on David Miller's (Innovation Chief) team at FBI. I'm interested in this opportunity because I'd like to learn more about who else in government is innovating and also to better support innovation throughout the government.

Project Details/Overview

Project Purpose: To prepare and post the "Where is Innovation Happening?" dataset and data visualization online on Innovation.gov.

Key Project Outcomes:
- To consolidate data sets into one continuous spreadsheet and clean up for posting as a searchable database on Innovation.gov.
- To visualize that data via data visualization tool (e.g. Tableau Public)
- To create wireframe mockups of database/visualization in Innovation.gov for approval
- To provide code for database/visualization on Innovation.gov

Estimated Weekly Commitment: 2-4 hours/week per person

Due date (Final): Friday, June 15

Products/Outputs:
1. Consolidate data sets into one continuous spreadsheet and clean up for posting as a searchable database on Innovation.gov. Note: also include ability to add to database through form Final version in Google Docs (by Friday, June 25)
2. Visualize data via data visualization tool (preferred: Tableau Public, but am open to other options) Final submission is PDF or URL Link (by June 1)
3. Lo/High Fidelity wireframe mockups of database/visualization in Innovation.gov Final submission is PDF of wireframes (Lo Fi by June 1, Hi Fidelity by June 8)
4. Code (CSS/HTML/Javascript) that can be added to the code in Innovation.gov Final submission is code in a new branch in GitHub (June 15)

Communications (How we will share documents and work)
Work with Jonn Lau to discuss dependencies or risks with delivery. Jonn should reach out to Amy at Amy.Wilson@gsa.gov with questions, needs, etc. If there are questions about the project at large (not about delivery), reach out to Amy.

We'll run this in an Agile Scrum way in two two-week sprints, starting next week. We'll track the Sprint work through either Trello or GitHub Project (Team can Choose). All documents are to be shared/added on Google Docs/Drive (note: fill out your GSA Google Account Below).

Simple Kanban Board (To be put in Trello/GitHub Project):

Ticket ID #42
The week view of the new calendar feature
Chris
Alex
3
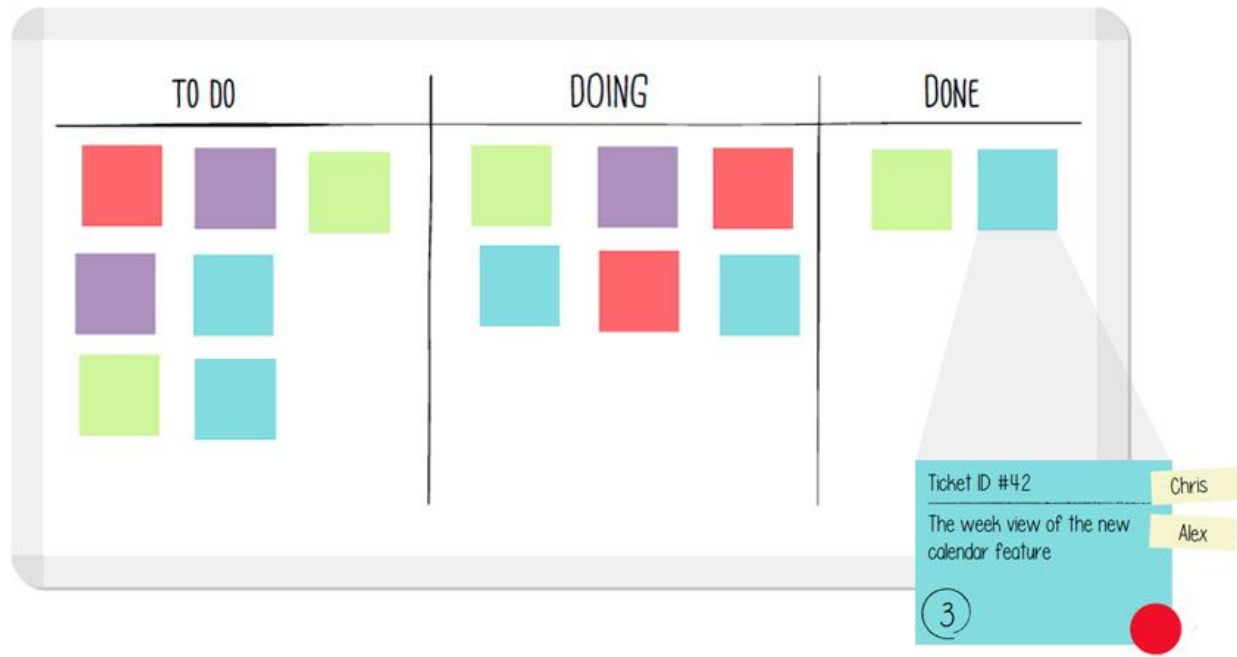
Agile Scrum Rituals

Four rituals of Agile Scrum are:
- Sprint Planning (30 minutes, every other week, on a Monday?)
- Daily Scrum (or Tues-Thurs, 15 minutes)
- Sprint Review (30 minutes, every other Friday)
- Sprint Retrospective (15 minutes, every other Friday)

Week 1

Monday	Tuesday	Wednesday	Thursday	Friday
Sprint Planning (30 Minutes)				

Week 2

Monday	Tuesday	Wednesday	Thursday	Friday
				Sprint Review and Retro (45 Minutes)

Expectations (What we can expect from each other)

I Do (Amy)	You Do (Working Group)	We Do (All)
● Attend Sprint Planning and Review/Retro Sessions ● Be responsive to questions/needs sent to me from Jonn ● Cheer you on!	● Do excellent work as assigned ● Attend daily (or (Tues-Thurs) scrum check in ● Communicate to Amy any risks or dependencies that might impact delivery	Attend and present at Sprint Review and Retrospective

Appendix: Draft Innovation.gov Wireframes

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Branch of Government

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DOUG JONES FOR SENATE COMMITTEE	PRE-PRIMARY 2017	⬇ ▼	Version unknown FEC-1178729	04/08/2024	07/26/2017	$34,991.06	$70,739.08	▶
PATTERSON FOR CONGRESS	POST-GENERAL 2016 | Amendment 1	⬇ ▼	Current version FEC-1182013	09/15/2017	11/28/2016	$22,095.00	$50,210.62	▶
PETERSON FOR CONGRESS	APRIL QUARTERLY 2017 | Amendment 2	⬇ ▼	Current version FEC-1182087	09/15/2017	03/31/2017	$173,196.03	$38,214.27	▶
JAMES TAYLOR FOR CONGRESS	JULY QUARTERLY 2017 | Original	⬇ ▼	Current version FEC-1181984	09/15/2017	06/30/2017	$0.00	$0.00	▶
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HARRY GRIEGO'S FRIENDS	TERMINATION REPORT 2017 | Original	⬇ ▼	Current version FEC-1181964	09/15/2017	09/15/2017	$0.00	$0.00	▶

Feedback