

# Fellowship Wrap-up

*AI/ML Use Cases & Data Strategy*

Atherv Gole

UCSB '22 Stats & Data Science





OCAIO

- ❖ Analysis of AI Use Cases (HHS)
- ❖ Presentation to AI Community of Practice
- ❖ Analysis of AI Use Cases (Federal)

*with Keith Bocian - HHS OIG*



## Project Details

- ❖ Explored commonalities in development/production usage of ML/AI use cases across HHS as proof of concept
- ❖ Used data visualization to illustrate opportunities for collaboration across op-divs
- ❖ Developing analysis further onto federal level dataset (tf-idf by class for key words, LDA of summaries)

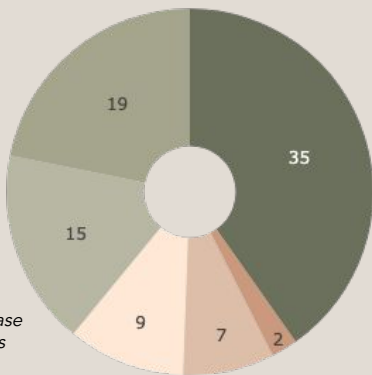
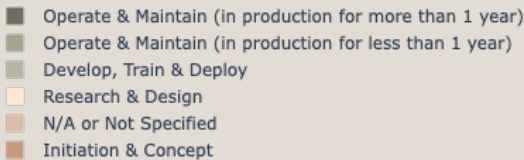
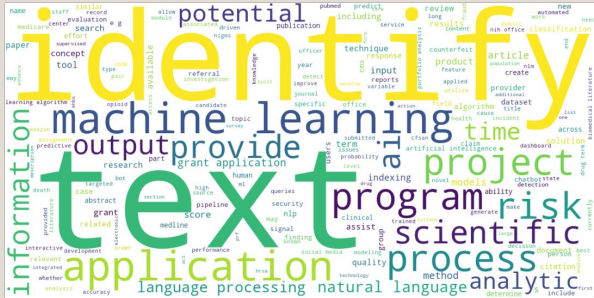


fig. of HHS use case  
production stages



Word cloud of summary text  
by use case



## TF-IDF key words by classification sample

	<b>Augmented Decisions</b>	<b>Automation</b>	<b>Chatbots (can be augmented decisions or control)</b>	<b>Control - Other</b>
0	matches	community	questions	did
1	event	up	embedded	generating
2	they	life	answers	generation
3	tool	earthranger	into	go
4	participants	krill	input	absences
5	export	vision	content	considerations
6	b2b	gps	clients	search
7	diversification	video	would	where
8	market	underwater	ita	telemetry
9	markets	wildlife	chatbot	pseudo

Thank you to:

Greg Singleton (HHS OCAIO)

Sanja Basaric (HHS OCAIO)

Keith Bocian (HHS OIG)



OCDO

- ❖ Data Strategy Research and Lit Review (Talent & Culture)
- ❖ Interview Support
- ❖ Talent & Culture recommendations and summary



## Work Details

- ❖ Literature review and research of past and present data strategies, focused on outreach, hiring, and retaining talent
- ❖ Curated recommendations based on lit review, interviews with public/private sector SME's
- ❖ Supported interviews

Thank you to:

The whole Data Strategy team!



## A few lessons learned

- ❖ Take initiative! Be a squeaky wheel!
- ❖ Government is full of mission driven people who are always willing to give guidance and support
- ❖ The present and future of open data and data-driven insights at HHS and throughout the federal government is exciting!



From all of us 2022 Civic Digital Fellows:

Thank you all so much for an incredible summer!!



## Happy hour question

If you could become the world's leading expert  
in something– what would it be?

