GeoAl in the Maritime domain using ArcGIS Notebooks



Agenda

- Introduction
- ArcGIS Notebooks
- Al Solution Architecture
- Demo
- Closing Up



Introduction

Artificial intelligence

From Wikipedia, the free encyclopedia

"AI" redirects here. For other uses, see AI (disambiguation) and Artificial intelligence (disambiguation).

In computer science, artificial intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans and animals. Colloquially, the term "artificial intelligence" is used to describe machines that mimic "cognitive" functions that humans associate with other human minds, such as "learning" and "problem solving".^[1]

As machines become increasingly capable, tasks considered to require "intelligence" are often removed from the definition of AI, a phenomenon known as the AI effect.^[2] A quip in Tesler's Theorem says "AI is whatever hasn't been done yet."^[3] For instance, optical character recognition is frequently excluded from things considered to be AI, having become a routine technology.^[4] Modern machine capabilities generally classified as AI include successfully understanding human speech,^[5] competing at the highest level in strategic game systems (such as chess and Go),^[6] autonomously operating cars, intelligent routing in content delivery networks, and military simulations.

Artificial intelligence can be classified into three different types of systems: analytical, human-inspired, and humanized artificial intelligence. Analytical AI has only characteristics consistent with cognitive intelligence; generating a cognitive representation of the world and using learning based on past experience to inform future decisions. Human-inspired AI has elements from cognitive and emotional intelligence; understanding human emotions, in addition to cognitive elements, and considering them in their decision making. Humanized AI shows characteristics of all types of competencies (i.e., cognitive, emotional, and social intelligence), is able to be self-conscious and is self-aware in interactions with others.



What is (Geo)Al? (more simple)



AI ≡ Knowledge

Data

All of us

GeoAl

Al with spatial

context





Tools 4 Al

















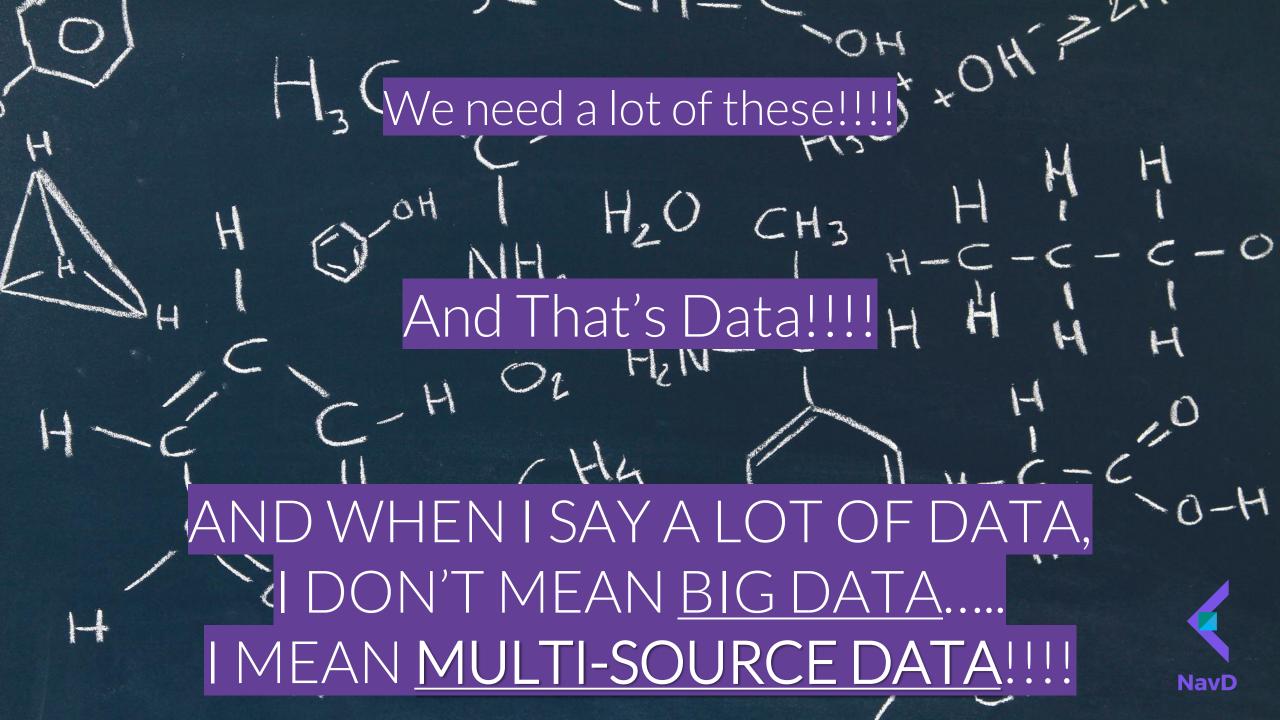




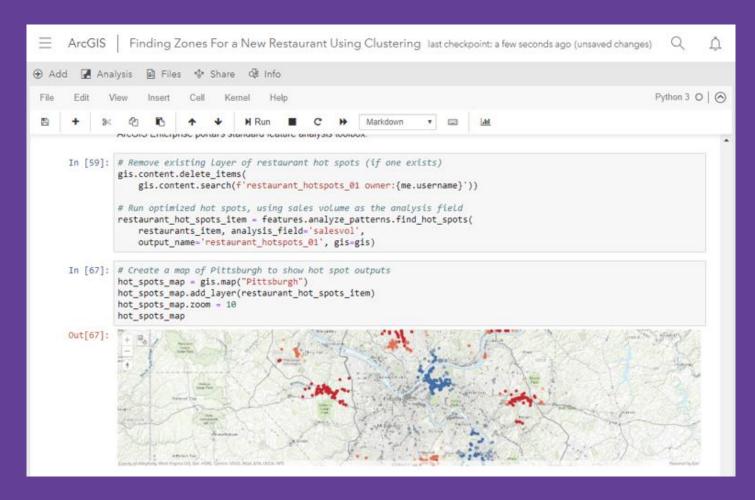






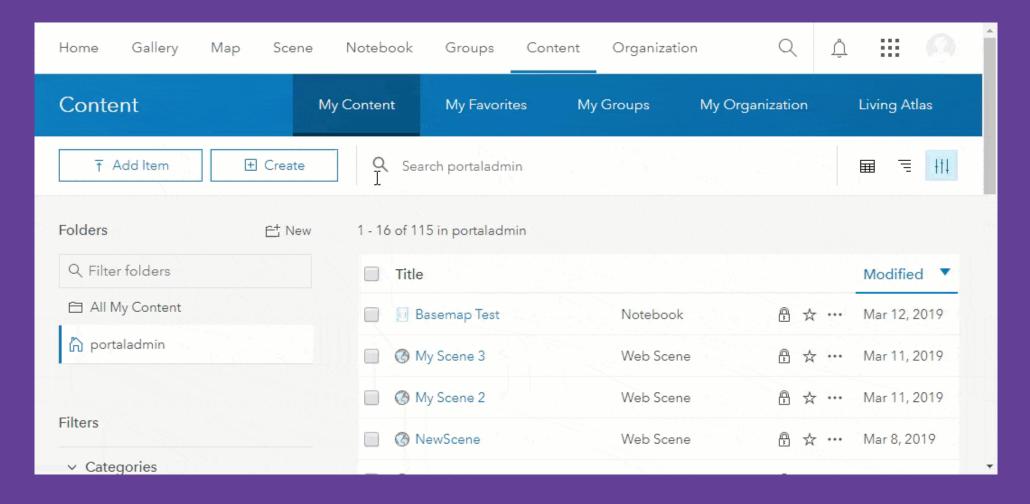


Seamless integration with the portal



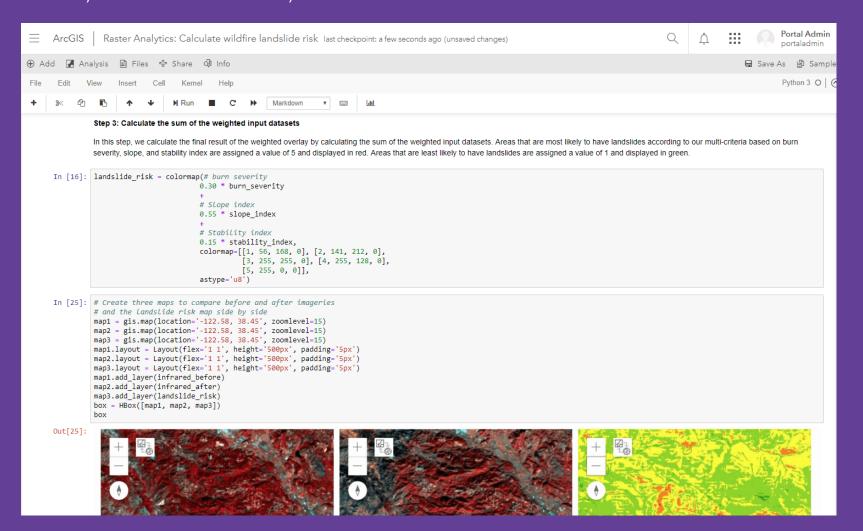


Turn analysis into action



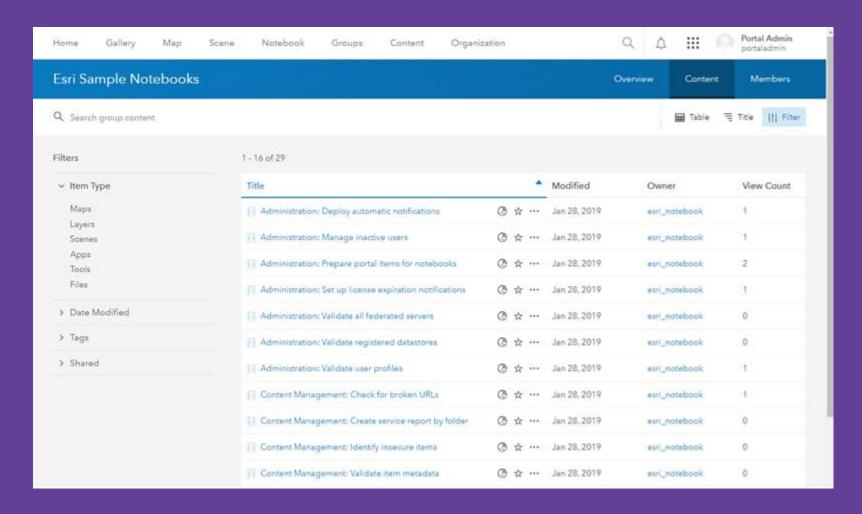


Put Python to work for you





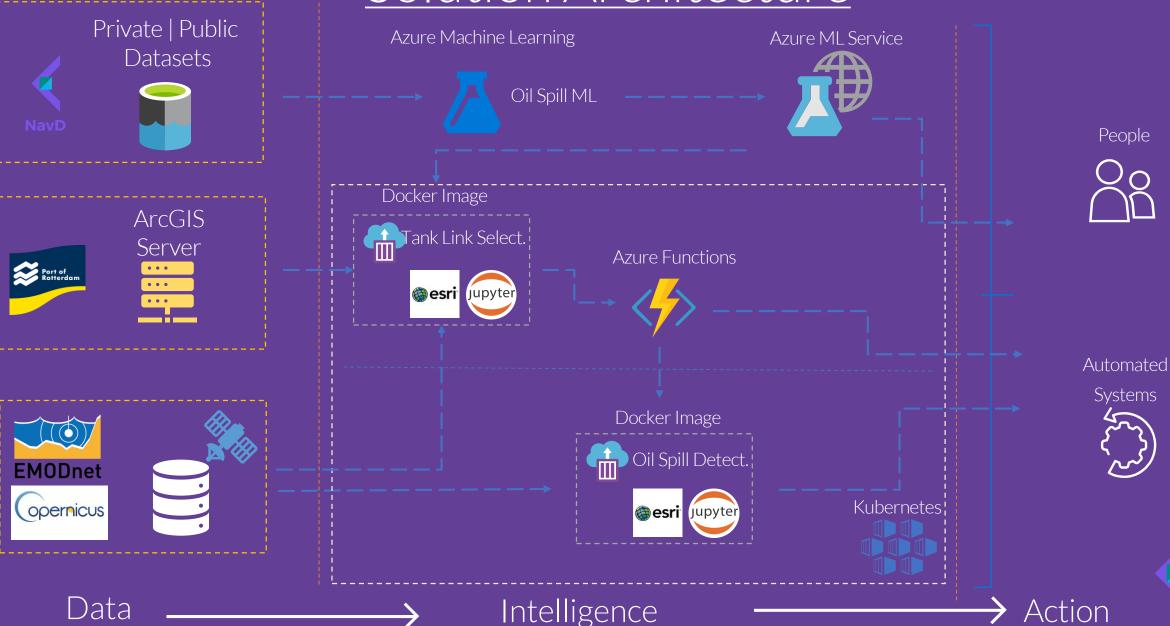
It's not just for data science







Solution Architecture

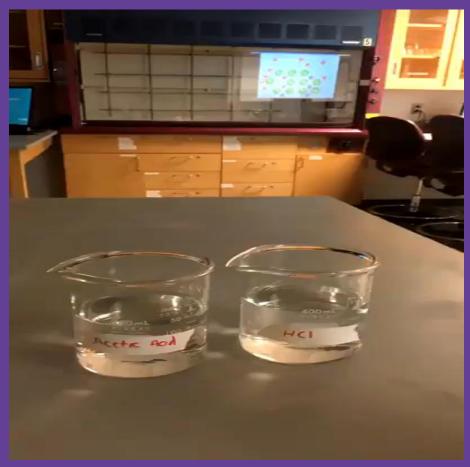


Demo



Wrapup

What we want for us to do...



What we end up to do....





Thank you

$$Qs + As$$





