The Al Pilot Project @ DFO

Developing Experimental AI Solutions In The Cloud to Drive Predictive Analytics at DFO





Strategic Policy Office of the Chief Data Officer





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by Jonah van Beijnen and Gregg Yan 27 January 2020, at 9:33am

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Sandra Ponce de Leon Former Contributor COGNITIVE WORLD Contributor Group (i) Al



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Liz Allen Contributor (i)

Science

Liz writes about the ocean and its protection.



Overview of the AI pilot project

Three use cases were selected for experimentation based on DFO priorities

Fighting Illegal, Unreported, and Unregulated fishing (IUU)

Reducing vessels strike to endangered whales

Analyzing ocean data to advance oceans science

- Project was funded (2.4 M) through the 2020-21 Results Fund
- Project was co-sponsored by Strategic Policy/OCDO and HRCS/IMTS, in partnership with programs and business areas





Methodology

- The CRoss-Industry Standard Process for Data Mining (CRISP-DM)
- Industry-proven method to guide the data science efforts
- Consists of 6 main phases
 - Moving back and forth between different phases as it is always required.





The assessment of different off-the-shelf AI solutions and AI platforms



Chief Data Officer