Achieve your Business Goals Faster with Agile for AI

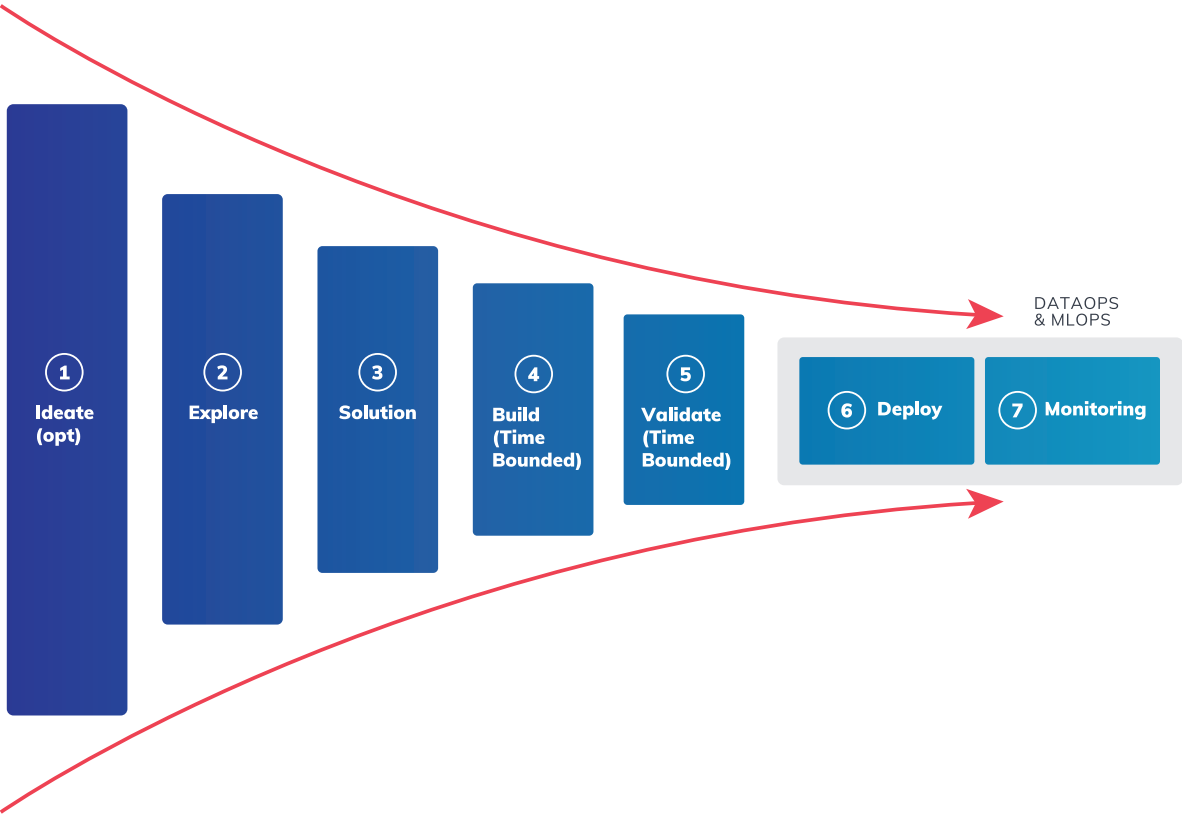## Harmonizing Agile and Data Approaches

The pace of change is accelerating. Data is getting bigger. Networks are getting denser. Information abounds. First, you must learn how to make it fit your organizational needs. And you need to do it quickly.

Rapid AnalytiX is a revolutionary approach to delivering AI solutions. It improves the efficiency of AI solution development efforts by coupling the best principles of Agile with the best techniques of data science. It delivers several specific benefits that improve your organization's ability to identify opportunities for AI and deliver solutions that turn them into reality.

Learn more at **www.excella.com**.

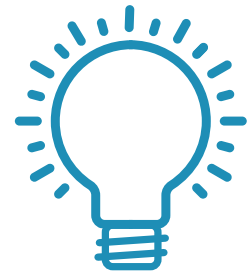## The Rapid AnalytiX framework delivers valuable solutions through seven steps:

| ① Ideate (opt) | ② Explore | ③ Solution | ④ Build (Time Bounded) | ⑤ Validate (Time Bounded) | ⑥ Deploy | ⑦ Monitoring |

DATAOPS & MLOPS

① **Ideate** – In this optional stage, we work with your stakeholders to identify your most pressing needs and the best solution concepts for addressing them.

② **Explore** – Once we have identified a promising opportunity, we explore your environment, your data sources, and your infrastructure to develop the best solution alternatives.

③ **Solution** – We capture the most promising solution ideas, including their ethical implications, on design canvases. In collaboration with you, we prioritize them and decide what to build.

④ **Build** – We build the best solution approaches in parallel, using time bounded iterations and automated MLOps infrastructure to accelerate progress.

⑤ **Validate** – At the end of each iteration, we assess what was built and determine whether to continue improving the solution, pivot to an alternative, or move to production.

⑥ **Deploy** – When a solution approach is proven, we use automated MLOps infrastructure to deploy it to production.

⑦ **Monitoring** – With MLOps infrastructure we proactively monitor the performance of production models and ensure they continue to deliver the desired results.

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Incorporating Lean principles, we developed a series of feedback and learning loops.

These loops accelerate learning and significantly reduce the time needed to:

- **Refine** ideas
- **Iterate** and **validate** ideas
- **Pivot** if necessary
- **Refine** and enhance productions models
- Continually **monitor** for retraining.

Together, these steps and learning loops make our Rapid AnalytiX Framework a comprehensive solution to meet your AI needs.

Proven Results

Combating Fraud, Waste, and Abuse with AI

The U.S. Department of Health and Human Services, Office of Inspector General (HHS OIG) wanted to bring several grants data sets together and leverage **artificial intelligence** (AI) to combat fraud, waste, and abuse by bringing the most useful data forward.

We used an AI model to seek key information in the text of the audit results and recognize irregular patterns. We then tailored the results presentation based on user feedback, saving auditor time and ultimately, agency money. The centralization of grants data and the identification of key data and patterns using machine learning models have revolutionized how auditors and investigators serve in the OIG.

Read our case study to learn how the use of artificial intelligence (AI) and machine learning in the GAP:

- **Advanced HHS OIG's ability** to oversee grant monies given to external third parties

- **Equipped 1,600 HHS OIG employees** with additional tools to **reduce fraud, waste, and abuse in the HHS system**

- **Transformed the grant oversight structure**, combining information about the grantee from several disparate government databases into a singular, detailed grantee profile

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Learn how AI can help solve your organization's needs.

CONTACT US

Excella is an agile technology firm helping leading organizations realize their future through the power of technology. We work collaboratively to solve our clients' biggest challenges and evolve their thinking to help them prepare for tomorrow. Together we transform bold ideas into elegant technology solutions to create real progress.

Learn more at **www.excella.com**.

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