7 Best Practices for Useful Data Science

Successful data science initiatives are about more than just algorithms. You need to rethink and optimize your people, processes, and technology to gain a competitive advantage.

The Future of Data Science

By the numbers, according to Gartner

1. “Over 60% of models developed with the intention of operationalizing them were never actually operationalized.”

2. “By 2020, the number of data and analytics experts in business units will grow at three times the rate of experts in IT departments, which will force companies to rethink their organizational models and skill sets.”

3. “By 2020, more than 40% of data science tasks will be automated, resulting in increased productivity and broader usage by citizen data scientists.”

Data Science Best Practices

- **Build trustworthy models**
  - Build models that are transparent, reflect reality, make intuitive sense, and are backed by data from real use cases.

- **Bridge the talk divide**
  - Use these seven best practices with TIBCO Data Science software to create new and disruptive business models, drive superior customer experiences, and optimize operations.

- **Ask the right questions**
  - Define clear objectives to solve your business problem. Prioritize projects with the highest business impact and the most available data.

- **Get to know your data**
  - Explore your data to get insights using visualizations and AutoML.

- **Create meaningful features**
  - Think about what drives an outcome, find data that represents those drivers and create features that map to real-world phenomena.

- **Insist on getting the data you need**
  - Fancy models aren’t as important as more and better data.

- **Make it operational**
  - Models don’t mean anything if they aren’t infused into business systems to drive new business outcomes.

Data science is a team sport. With TIBCO® Data Science, you can collaborate, operationalize, and scale machine learning across your organization.

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