

Texas A&M Workshop on Operational Data Science

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<https://tx.ag/duffield> <https://tamids.tamu.edu>

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TEXAS A&M
Institute of
Data Science

Operational Data Science

- Data Science is useful throughout operations of Texas A&M
 - Education, Transportation and Facilities, Libraries, Athletics, Fan and Alumni Relations, Sponsorship, Network Security,...
- Opportunities for collaboration between faculty and operations
 - New problems inspire new methods
 - Establish track record for outreach
- Next steps for Texas A&M Institute for Data Science
 - Data Science Services and Enablement group currently ramping up
 - Provide continuity and POC for faculty for operational data research
 - Future TAMIDS grant program to enable data infrastructure and usage



Texas A&M: a Living Operational Data Science Lab

- Texas A&M: multiple campuses, organizations; ~60K students
- Vision: instrument and analysis all aspects of operations
 - Business impact
 - New research problems
 - Preliminary work for external funding
- Rellis Campus: path of least resistance
 - Clean slate for instrumentation
 - Multiple relevant disciplines

Texas A&M Institute of Data Science Workshops

- Workshops planned
 - Operational Data Science, AI in Education, Data Science in Energy, ...
- Organize your own one-day workshop
 - TAMIDS Workshop Grants Program
 - Support:
 - \$1.5k local expense + \$1k for each of two external speakers
 - Clone our arrangements
 - Details at <https://tamids.tamu.edu/category/progs/>