

Full-Day Analytics Training Course

by Andrew Silver, Adret LLC

MS Analytics, MS Earth Science

⇒ Why? ⇐

Who

What

When & Where

Multivariate analytics (a.k.a. “data science”) are playing a large role in improving efficiencies and transforming industries. Remaining competitive in an evolving business landscape requires new ways of thinking and improved collaboration. This course:

- Introduces many of the machine-learning tools driving advanced analytics
- Synthesizes concepts of multivariate statistics and psychology to improve team dynamics and the effectiveness of analytics initiatives
- Encourages a mindset that will lead to cleaner data collection and faster analytics implementations
- Includes examples using Upstream Oil & Gas data

Consider Adret LLC for your training needs today! Bringing in an outside perspective aids in cross-pollinating ideas and deterring groupthink.

Why

⇒ For Whom? ⇐

What

When & Where

The course is designed as an introductory overview of multivariate analytics for management, technical staff, and even for analytics teams:

For Data-Science Newbies

- Improve communication and collaboration on analytics initiatives
- Learn basics of statistics through visual, intuitive representations
- Learn about many of the tools used in multivariate statistics

For Data Scientists

- Review a wide statistical toolkit and use-cases
- Leave the teaching of colleagues to us so that you can focus on delivering analytics implementations

For Everyone!

- Improve soft skills which facilitate teamwork

Why

Who

⇒ What is it? ⇐

When & Where

The course can be taught as a 1-day course (lectures only) or a 2-day course (lectures + hands-on examples). The course consists of five modules:

- Part 1 - Intro: a high-level, holistic overview of the material in subsequent modules
- Part 2 - Data Wrangling: reviews data types, data preparation, and necessary considerations when building databases
- Part 3 - Diagnostics: overviews data and model diagnostic techniques necessary for building valid multivariate models
- Part 4 - Descriptive Analytics: introduces multivariate methods such as component analysis, clustering, latent variable models, and discriminant analysis
- Part 5 - Predictive Analytics: compares predictive modeling options such as multivariate regression, decision trees, random forests, and neural networks

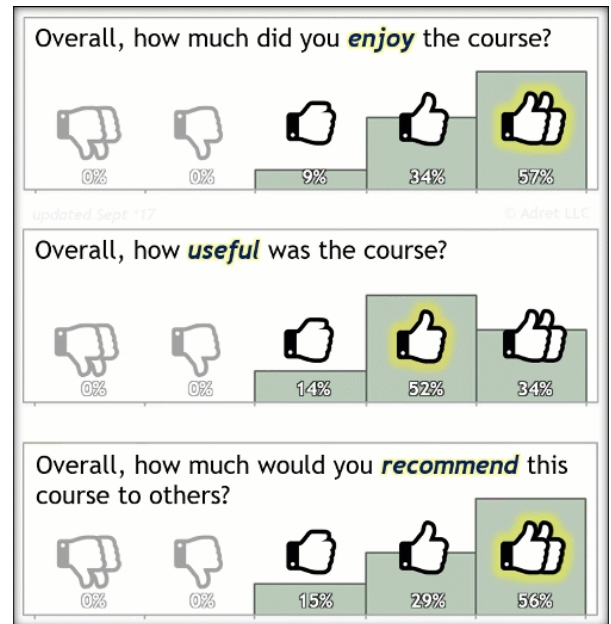


When & where? At a time and place of your choosing. Having in-house presentations is typically the best choice. Giving presentations on-site adds a level of comfort, minimizes costs, and allows staff to easily monitor active field operations during the planned rest breaks between course modules.

↓ Attendee Feedback ↓

This training course has been given at a number of operators and service companies. Attendee feedback has been overwhelmingly positive.

- “Great communication - Great displays” - *Manager, Exploration Technology*
- “Andrew was very passionate about this subject which made the class enjoyable.” - *Geologist*
- “Enjoyed the combination of statistics, [O&G] experience, and culture.” - *Engineering Adviser*
- “The material & explanations were thorough without being cumbersome.” - *Geologist*
- “Awesome talk! Particularly the [4th & 5th] parts were very helpful and relevant to the industry.” - *Geophysicist*
- “Andrew knew the material thoroughly, ... was never stumped by a question and offered valuable insights” - *Data Architect*
- “Great presentation and statistics overview.” - *Senior Geologist*



↓ If interested, please contact us for a quote! ↓

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The Small Print

Lecture costs will vary depending on location (i.e., travel costs, venue, etc.), availability, and audience size. Rates start at \$300/person with a minimum of 10 attendees (Q1 2019 pricing; subject to change). Discounts available for larger groups.

Adret LLC retains the right of refusal as necessary to secure its intellectual capital.

Disclaimer: Lecture presentations are designed to increase awareness of the capabilities of and “best practices” within data science but do not, of themselves, qualify audiences to practice statistics/data science. The lectures also help familiarize audiences with the terminology of statistics/data science (“buzzword compliance”), better enabling them to communicate their business needs with statisticians/data scientists. Natural variance exists in physical systems. While statistical modeling can aid in improving the odds of desired outcomes, no guarantee can be provided for desired results.

The aid of competent statisticians/data scientists should be sought out for analytics implementations. Individuals interested in becoming bona fide data scientists themselves are encouraged to seek entry into graduate-level, accredited educational programs specializing in multivariate statistics.