

Intensive Data and Analytics

Summer Workshop for
Accounting Courses
and Programs



**American
Accounting
Association**
Thought Leaders in
Accounting



**Centers for
Advancing
Accounting**

2018 Summer Workshop

June 4–7, 2018

Hyatt Regency Orlando
Airport

Orlando, Florida

#aaaIDA2018

Monday, June 4, 2018

7:00 am–8:00 am

Continental Main Foyer Continental Breakfast

8:00 am–12:00 pm

Regency Ballroom General Session

12:00 pm–1:00 pm

Continental Main Foyer Lunch

1:00 pm–2:40 pm

Briefing Room 1.01: Critical Thinking/Analytic Cycle Approach

Continental 1-4 2.01: Data Analytics with R Approach

2:40 pm–3:10 pm

Continental Main Foyer Break

3:10 pm–4:50 pm

Briefing Room 1.02: Data Process Chain Approach

Continental 1-4 2.02: Open Source Courses and Resources Approach

5:00 pm–8:00 pm

Dinner on your own or participate in meet-up groups

8:00 pm–9:00 pm

Briefing Room Tableau Basics

Continental 1-4 Microsoft's Power BI Basics (PC based)

Continental 5-8 R Basics

Tuesday, June 5, 2018

7:00 am–8:00 am

Continental Main Foyer Continental Breakfast

8:00 am–9:40 am

Briefing Room 1.03: Data Analytics and Visualization using Tableau for Accounting

Continental 1-4 2.03: How to Prepare Data for Analysis: Cleaning and Transforming

Continental 5-8 3.03: Microsoft Power Pivot and Power BI Data Analytics: From Big Data to a Dashboard

Regency AB 4.03: Two Extensions of R

Regency DE 5.03: Core Technical Concepts and Competencies for Graduates

9:40 am–10:10 am

Continental Main Foyer Break

10:10 am–11:50 am

Briefing Room 1.04: Visualizing Analytics: Resources and Applications

Continental 1-4 2.04: SQL: An Introduction to Writing Database Queries

Continental 5-8 3.04: Teaching Big Data Applications with REA and Power BI

Regency AB 4.04: Python Foundations for Analytics

Regency DE 4.05: Arline—The Artificially Intelligent Accounting TA: Using IBM Watson to Facilitate Online Classes

12:00 pm–1:00 pm

Continental Main Foyer Lunch

1:00 pm–2:40 pm

Continental 1-4 1.05: Data Visualization Poster Roundtables

Continental 5-8 2.05: Detecting Dirty Data using SQL

Briefing Room 3.05: Teaching Machine Learning with SAP Predictive Analytics to Accounting Students Doesn't Have to be Scary!

Regency AB 4.05: Data Wrangling in Spark with Python

Regency DE 5.05: Graduate Curricula

2:40 pm–3:10 pm

Continental Main Foyer Break

3:10 pm–4:50 pm

Briefing Room 1.06: EY Academic Resource Center: Case Offerings and Technology Tool Adaptions: Excel, Tableau, Access, R, Python

Continental 1-4 2.06: Integrating Big Data Projects into the Accounting Curriculum

Continental 5-8 3.06: Using SAP Predictive Analytics, R, and Descriptive Data Models to Explore and Evaluate Income Tax Data

Regency AB 4.06: Accounting Data Analytics Using SAS and Python

Regency DE 5.06: Data Poster Roundtables

5:00 pm–6:00 pm

Dinner on your own or participate in meet-up groups

6:00 pm–9:00 pm

Briefing Room Tableau Advanced

Continental 1-4 Microsoft's Power BI Advanced

Continental 5-8 Huskie Motor Car Case

Wednesday, June 6, 2018

7:00 am–8:00 am

Continental Main Foyer Continental Breakfast

8:00 am–9:40 am

Briefing Room 1.07: Auditing: Designing Courses and Curricula

Continental 1-4 2.07: Managerial: Designing Courses and Curricula

Continental 5-8 3.07 Financial: Designing Courses and Curricula

Regency AB 4.07: Tax: Designing Courses and Curricula

Regency DE 5.07: Program: Designing Courses and Curricula

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9:40 am–10:10 am

Continental Main Foyer Break

10:10 am–11:50 am

- Briefing Room 1.08: EY Academic Resource Center (EYARC): EY Helix General Ledger Analyzer for Students
- Continental 1-4 2.08: Airport Café Case: Forecasting Under Uncertainty Using Excel
- Continental 5-8 3.08: Introductory Financial Accounting ala Data Analytics
- Regency AB 4.08: Using Data Visualizations in Tax
- Regency DE 5.08: Program Poster Roundtables

12:00 pm–1:00 pm

Continental Main Foyer Lunch

1:00 pm–2:40 pm

- Briefing Room 1.09: Audit Data Analytics Training and Open Source (Free) Teaching Material
- Continental 1-4 2.09: Machine Learning and Data Cleansing with Managerial Initiatives Data
- Continental 5-8 3.09: Introducing Data Analytics in Introductory Accounting Courses
- Regency AB 4.09: Deloitte Tax Cases
- Regency DE 5.09: Developing a Data Analytics Mindset: Beyond Software

2:40 pm–3:10 pm

Continental Main Foyer Break

3:10 pm–4:50 pm

- Briefing Room 1.10: Integrating IDEA into an Auditing Course in an Effective and Efficient Manner
- Continental 1-4 2.10: Managerial Poster Roundtables
- Continental 5-8 3.10: Accessing Data and Building Innovative Fintech Models Using XBRL and APIs Part 1
- Regency AB 4.10: Tax Analytics Program at North Carolina State University
- Regency DE 5.10: Curriculum Development and Growing Your Program Q&A

5:00 pm–6:00 pm

Dinner on your own or participate in meet-up groups

6:00 pm–9:00 pm

- Continental 1-4 IDEA
- Continental 5-8 Teradata University Network and University of Arkansas Data Sets
- Briefing Room NetSuite and the HUB of Analytics Education

Thursday, June 7, 2018

7:00 am–8:00 am

Continental Main Foyer Continental Breakfast

8:00 am–9:40 am

- Briefing Room 1.11: Using Tableau to Find Indications of Fraud in an Original Data Set
- Continental 1-4 2.11: Insights from Integrating Public Data Sources (weather) with Business Data
- Continental 5-8 3.11: Using Excel Pivot to Post Journal Entries and a VBA Macro to Clean Data
- Regency AB 4.11: Emerging Topics for an AIS Course
- Regency DE 5.11: Data Analytics for Accounting: Fundamentals and Labs in Auditing, Managerial, Financial, and Tax

9:40 am–10:10 am

Continental Main Foyer Break

10:10 am–11:50 am

- Briefing Room 1.12: Practicing Benford's Law: A Mock Audit Case
- Continental 1-4 2.12: Making Business Decisions Informed by GPS Data
- Continental 5-8 3.12: Assessment of Inventory Costs and Sales Revenue Case Using Excel and Tableau
- Regency AB 4.12: Topics for Advanced AIS Courses
- Regency DE 5.12: Cultivating an Analytics Mindset in Financial, Managerial, and Auditing Classes: Practical Exercises to Enhance Existing Online and Residential Instruction

12:00 pm–1:00 pm

Continental Main Foyer Lunch

1:00 pm–2:40 pm

- Briefing Room 1.13: Enhancing Understanding of Audit Data Analytics Decisions via a R Hands-On Case Solution
- Continental 1-4 2.13: Managerial Cases
- Continental 5-8 3.13: Accessing Data and Building Innovative Fintech Models Using XBRL and APIs Part 2
- Regency AB 4.13: Determining Status (Independent Contractor/Employee) Tax Case
- Regency DE 5.13: Course Poster Roundtables

2:40 pm–3:10 pm

Continental Main Foyer Break

3:10 pm–4:50 pm

- Briefing Room 1.14: Tackling D&A and Auditing Together: Auditing
- Continental 1-4 2.14: Tackling D&A and Managerial Together: Managerial
- Continental 5-8 3.14: Tackling D&A and Financial Together: Financial
- Regency AB 4.14: Tackling D&A and Tax Together: Tax
- Regency DE 5.14: Tackling D&A and Curricula Together: Curricula

5:00 pm–6:00 pm

Dinner on your own or Participate in meet-up groups

6:00 pm–9:00 pm

Continental Ballroom Celebration