



Association of Industry Analytics

Putting the IDEA to work!

Industry Data, Economics, and Analytics

About Us

Launched in 2017 in Houston, TX, the Association of Industry Analytics (AIA) is a non-profit business organization dedicated to building a community of industry professionals focused on industry data, economics, and analytics where members can: build their knowledge base, network with other like-minded professionals, apply advanced technology and techniques, and earn opportunities with top tier companies.

Our goals as an organization are to **connect** industry professionals, **develop** our members, **promote** analytics, and **grow** as an organization.

Vision

To be the premier professional business organization focused on promoting growth and opportunities in the field of industry data, economics, and analytics.

Mission

The mission of AIA is to foster an environment with the resources and networking opportunities for its members.

Value Statement

With the ambition, passion, and drive to grow and stay on top, we strive to create a world with no ambiguity, where business decisions are driven by thorough and high quality qualitative and quantitative analysis.

Organization

The Association of Industry Analytics is a 501(c)(3) nonprofit organization.

Members

Our members consist of a diverse group of industry professionals ranging from various career levels, spanning across a myriad of industries, focused on analytics in various business functions within an organization.

Membership Fees

The cost of membership is currently \$50 per year.

Acknowledging our Distinguished Sponsors



2019 AIA Initiatives

University Ambassador Program

The AIA University ambassador program will be created at selected universities for groups of students that are interested in careers focused on industry data, economics, and analytics. Students in the program will have full control of group functions including meetings and events.

Functions may include, but shouldn't be limited to, hosting guest speakers and industry professionals, providing professional networking opportunities for students, and offering supplemental training and developmental opportunities. Students will also have limited access to AIA membership.

What are the benefits? AIA expands its influence at the university level, students gain connections and opportunities in the industry, ambassadors gain leadership skills and begin building their resumes, and academic institutions expand partnerships with the industry.

AIA (Applied Industry Analytics) Certification Program

A certification program focused on various forms of industry analytics.

1. Excel and Modelling Basics
2. Database Fundamentals
3. Statistical Analysis
4. Business Analysis
5. Supply Chain & Logistics
6. Process Economics
7. Market Analysis
8. Financial Analysis
9. Risk Analysis
10. Process Improvement
11. Advanced Statistical Analysis
12. Data Visualization

Monthly Economic Report

The AIA monthly economic report will consist of over 30 economic indicators grouped in 3 categories: macroeconomics, finance, and industrial. AIA plans to

also include a management summary, analytical feature, and in time, an economic indicator or index developed by the AIA board members. This report will be available online and accessible to the AIA members, partners, and sponsors.

Stay tuned for more details.

Industry 101 Training

AIA plans on hosting industry 101 presentations or webinars (ie oil production, shipping, refining, chemicals, agriculture, food, housing) presented by industry experts. Webinars will be free of charge for members, partners, and sponsors.

AIA Certification Program Modules and Dates for Spring

- **Excel and Modelling Basics – January 12, 2019**
 - Charts
 - Shortcuts
 - Formulas
 - Modelling Best Practices
- **Database Fundamentals – January 19, 2019**
 - Structure
 - Data
 - Tables
 - Relationships
 - Queries
 - Reports
 - SQL Language
- **Statistical Analysis – January 26, 2019**
 - Pivot Tables
 - Pivot Charts
 - Data Analysis Tool Pack
 - Regression Analysis
 - Advanced Formulas
- **Business Analysis – February 2, 2019**
 - Cost Analysis
 - Marketing and Sales Analytics
 - Competitive Analysis
 - Process Automation
- **Supply Chain & Logistics – February 9, 2019**
 - Modes of transportation
 - Trade flows
 - Tariffs
 - Terminals and Ports
 - Shipping
- **Process Economics – February 16, 2019**
 - Estimating capital costs
 - Production costs
 - Fixed costs
 - Variable costs
 - Utilities
 - Feedstock
 - Co-Products
 - Margins
 - Cost curves
- **Market Analysis – February 23, 2019**
 - Supply/Demand fundamentals
 - Production
 - Domestic Demand
 - Trade Flows
 - Inventories
 - Forecasting
 - Ratios
 - Regression
 - Differentials
 - Cost plus Margin
 - Cost Curves
- **Financial Analysis – March 2, 2019**
 - Building a financial model
 - Evaluating net cash flows and components
 - Discounting cash flows by WACC
 - Evaluating Metrics
- **Risk Analysis – March 23, 2019**
 - Identifying risk factors
 - Qualitative Risk Analysis
 - Probability
 - Impact
 - Quantitative Risk Analysis
 - Monte Carlo Analysis
 - Risk Management
- **Process Improvement – March 30, 2019**
 - Certified Six-Sigma Instructor
 - Training
 - Certification (Optional)
- **Advanced Statistical Analysis – April 6, 2019**
 - Multivariate Analysis
 - Measuring strength of relationships
 - Models
 - Macros
- **Data Visualization – April 13, 2019**
 - Uploading data to data visualization platform
 - Building connections within the platform
 - Setting up dashboards
 - Using data visualization to make decisions