AAP ANALYTICS
Association of the Philippines

Developing the ecosystem that makes the Philippines a data-driven country, globally competitive in analytics, and a leading source of analytics talent, for the good of society.

Anchoring Our Capability Building Initiatives on the APEC Analytics Competencies

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Job Roles in Analytics

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Data → Information → Insight → Imperative

Data Steward

Domain Knowledge

Data Engineer

Information Technology
Computer Science

Data Scientist

Mathematics
Statistics

Data Analyst

Domain Knowledge

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APEC Analytics Competencies

APEC Project DARE

“Determine the data analytics competencies employers are demanding to enable APEC youth to secure the jobs of tomorrow and move with ease in tomorrow’s labor market.”

Big Data Analytics in Critical Demand Across APEC, https://www.apec.org/Press/Features/2017/0620_DSA

The APEC Analytics Competencies

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- Domain Knowledge & Application
- Data Management & Governance
- Operational Analytics
- Data Visualization & Presentation
- Research Methods
- Data Engineering Principles
- Statistical Techniques
- Data Analytics Methods & Algorithms
- Computing
- 21st Century Skills

Domain Knowledge & Application

Apply domain-related knowledge and insights to <u>effectively contextualize data</u>, achieved by practical experience and exposure to emerging innovations.

Data Management & Governance

Develop and implement data management strategies and governance, incorporating privacy and data security, policies and regulations, and ethical considerations.

Operational Analytics

Use general data analytics and specialized business analytics / business intelligence techniques for the investigation of all relevant data to derive insight for decision-making.

Data Visualization & Presentation

Create and communicate compelling and actionable insights from data using visualization and presentation tools and technologies.

Research Methods

Utilize the scientific and engineering methods to discover and create new knowledge and insights.

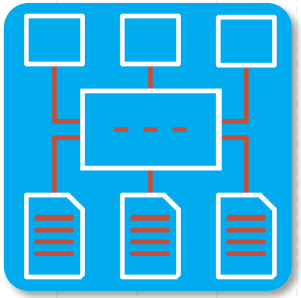
Data Engineering Principles

Use software and system engineering principles and modern computer technologies to develop data analytics applications.

Statistical Techniques

Apply statistical concepts and methodologies to data analysis.

Data Analytics Methods & Algorithms



Implement and evaluate machine learning methods and algorithms on the data to derive insights for decision-making.

Computing

Apply information technology, computational thinking, and utilize programming languages and software and hardware solutions for data analysis.

21st Century Skills

Exhibit cross-cutting skills essential for Analytics at all levels, including but not limited to: collaboration, ethical mindset, empathy, social and societal awareness, dynamic (self) re-skilling, and entrepreneurship.

Our Professional Maturity Model v1.0

	Steward	Engineer	Scientist	Analyst
Domain Knowledge	2 ★★	1 ★	2 ★★	3 ★★★
Data Governance	3 ★★★	2 ★★	2 ★★	2 ★★
Operational Analytics	3 ★★★	3 ★★★	3 ★★★	3 ★★★
Data Visualization	2 ★★	1 ★	2 ★★	3 ★★★
Research Methods	1 ★	1 ★	3 ★★★	1 ★
Data Engineering	-	3 ★★★	1 ★	-
Statistical Techniques	-	1 ★	3 ★★★	-
Methods & Algorithms	-	1 ★	3 ★★★	-
Computing	1 ★	2 ★★	3 ★★★	1 ★
21st Century Skills	3 ★★★	3 ★★★	3 ★★★	3 ★★★

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Initial Demographics

November 2017 Analytics Summit

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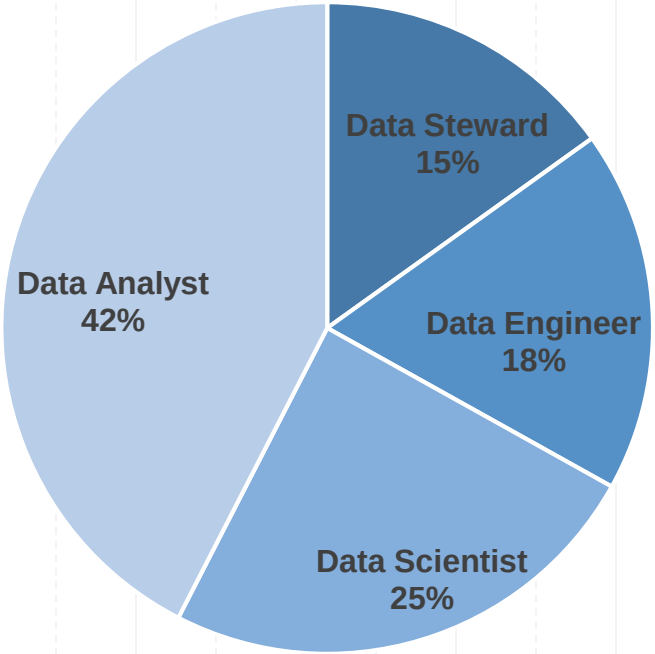
BIG DATA
ANALYTICS SUMMIT 2017

Role and Organization



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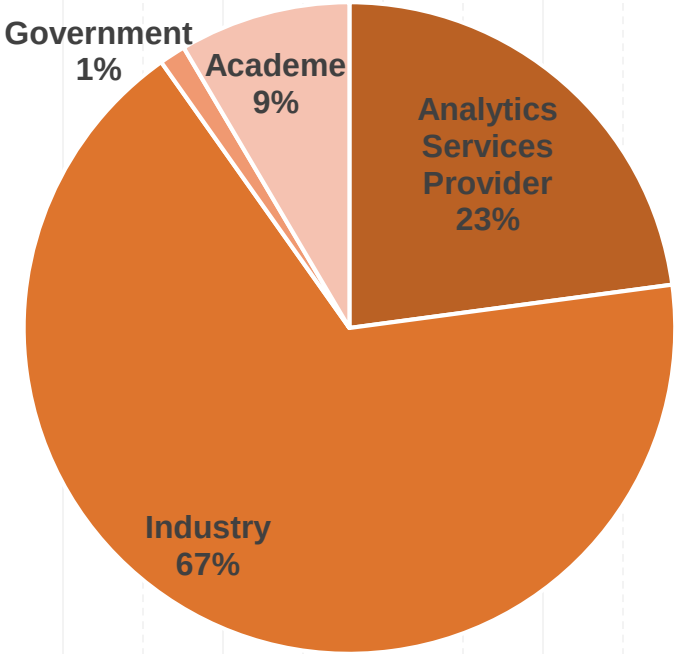

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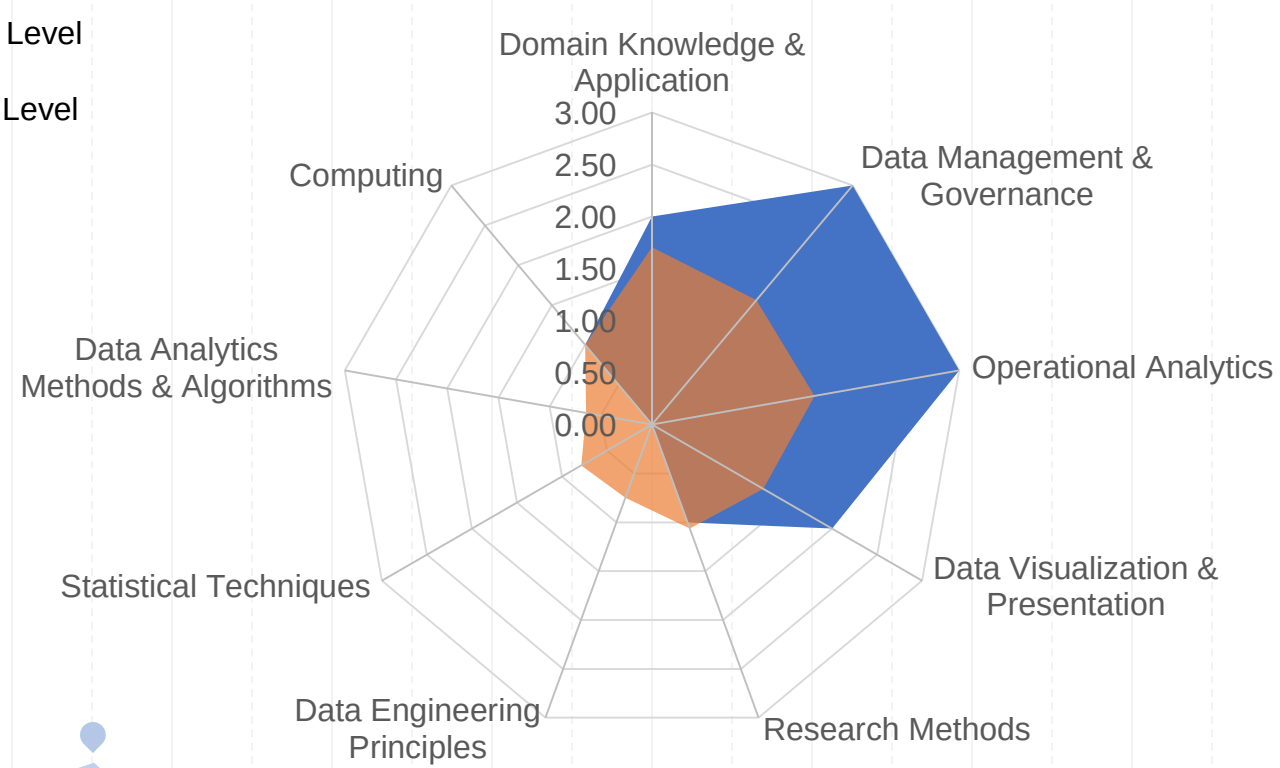
Competencies: Data Steward



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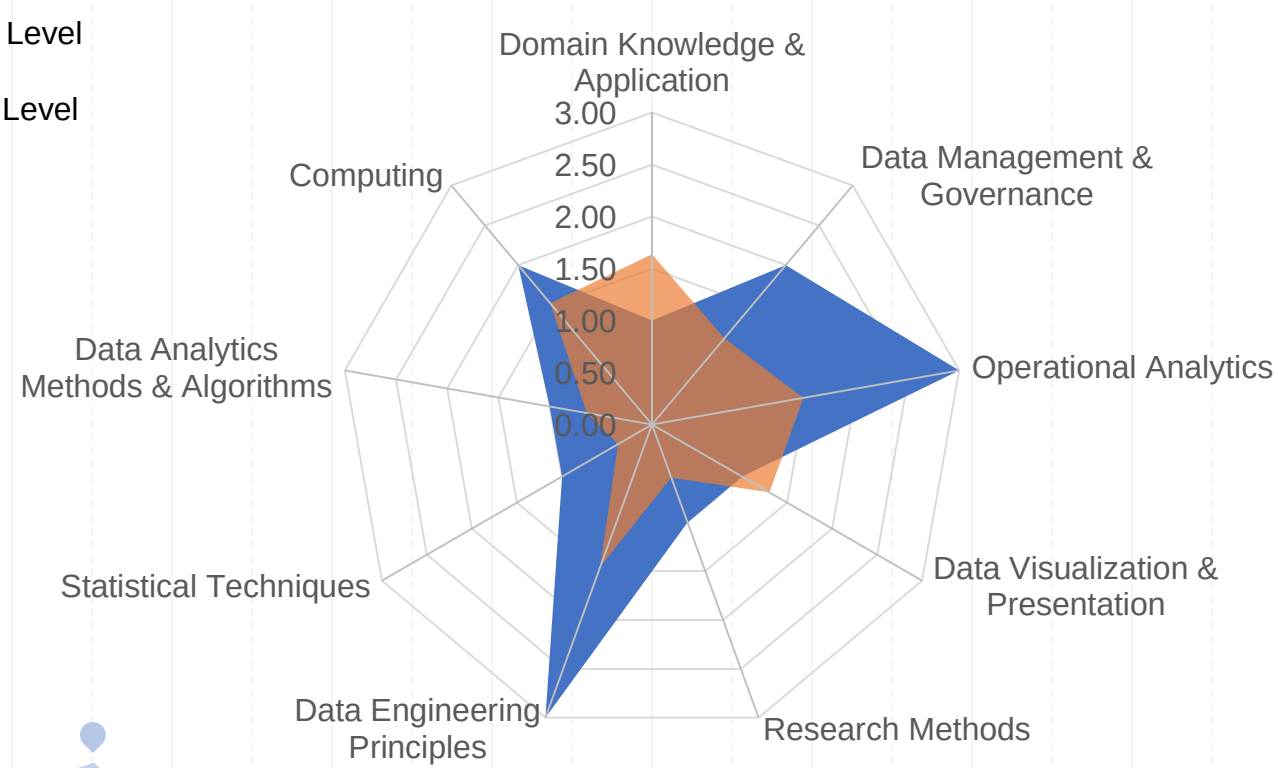
Competencies: Data Engineer



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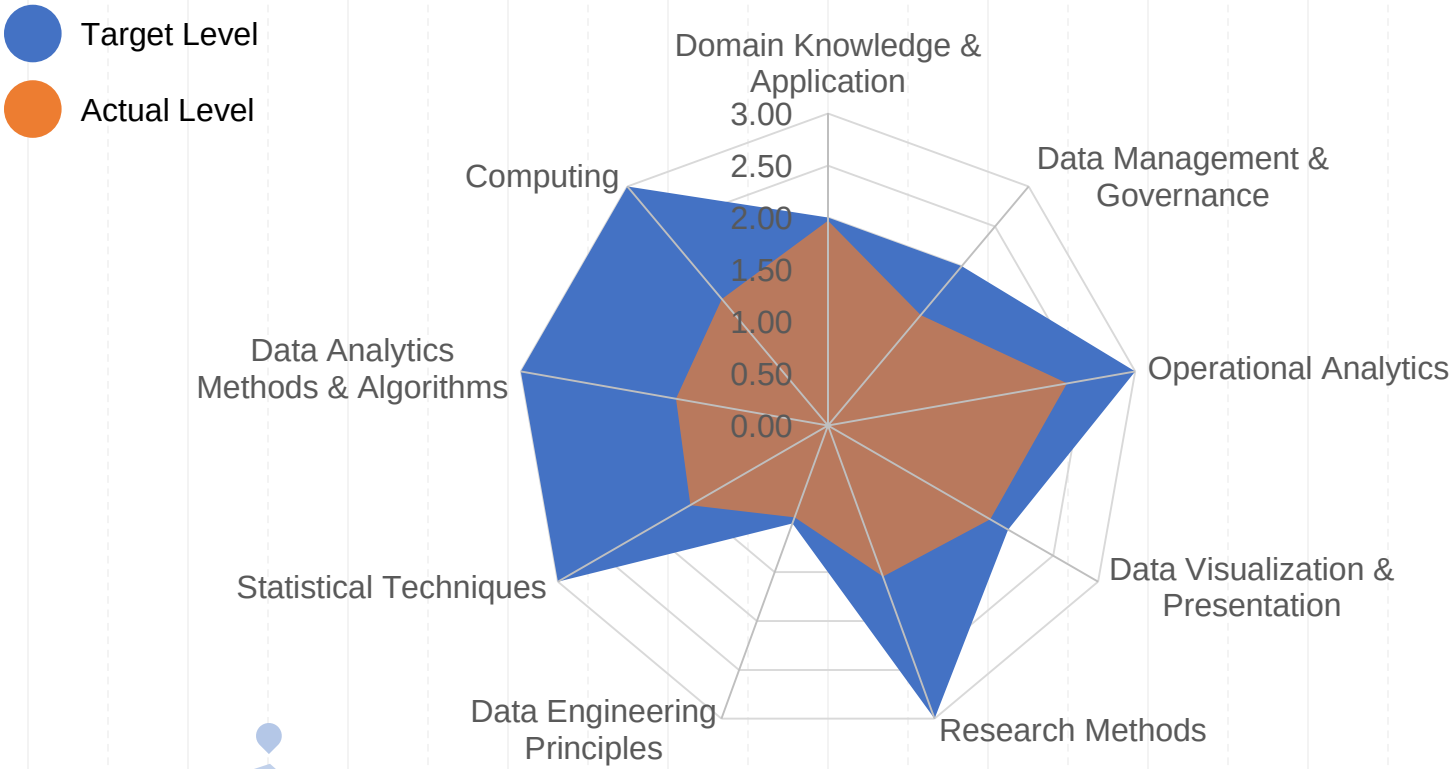
Competencies: Data Scientist



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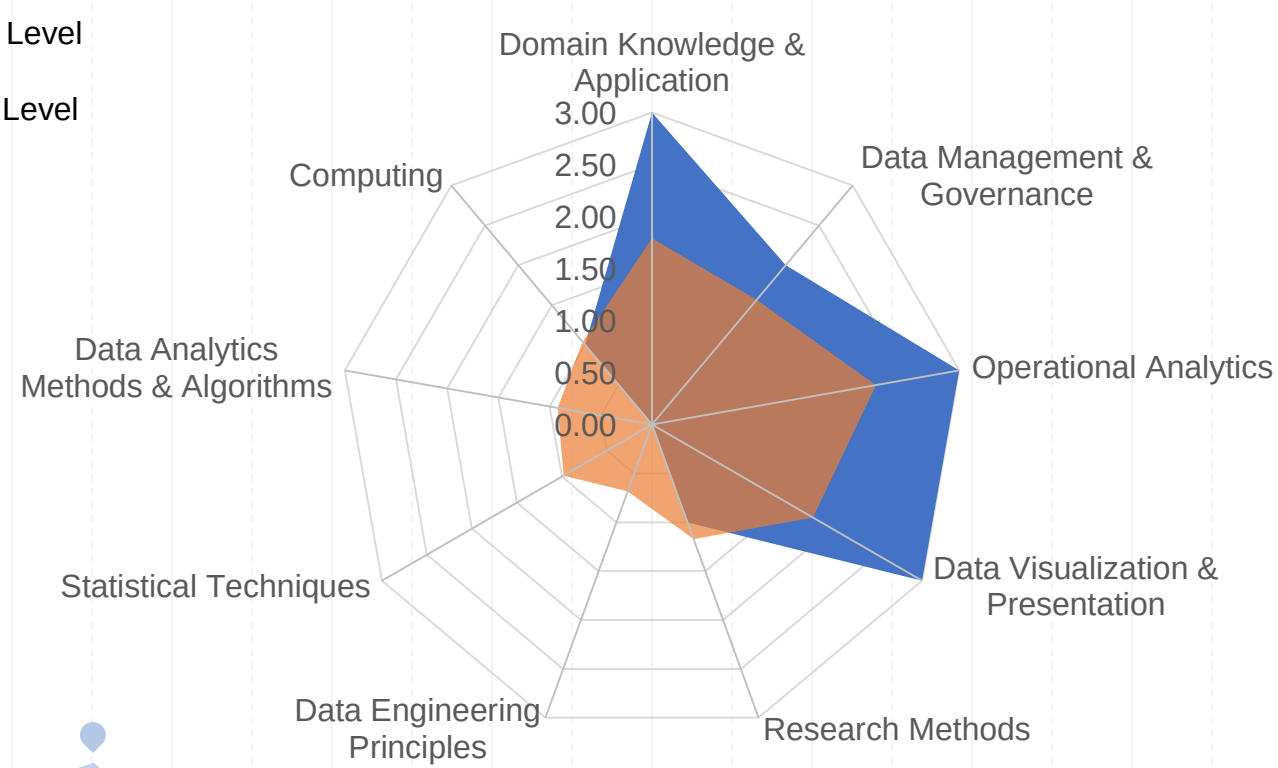
Competencies: Data Analyst



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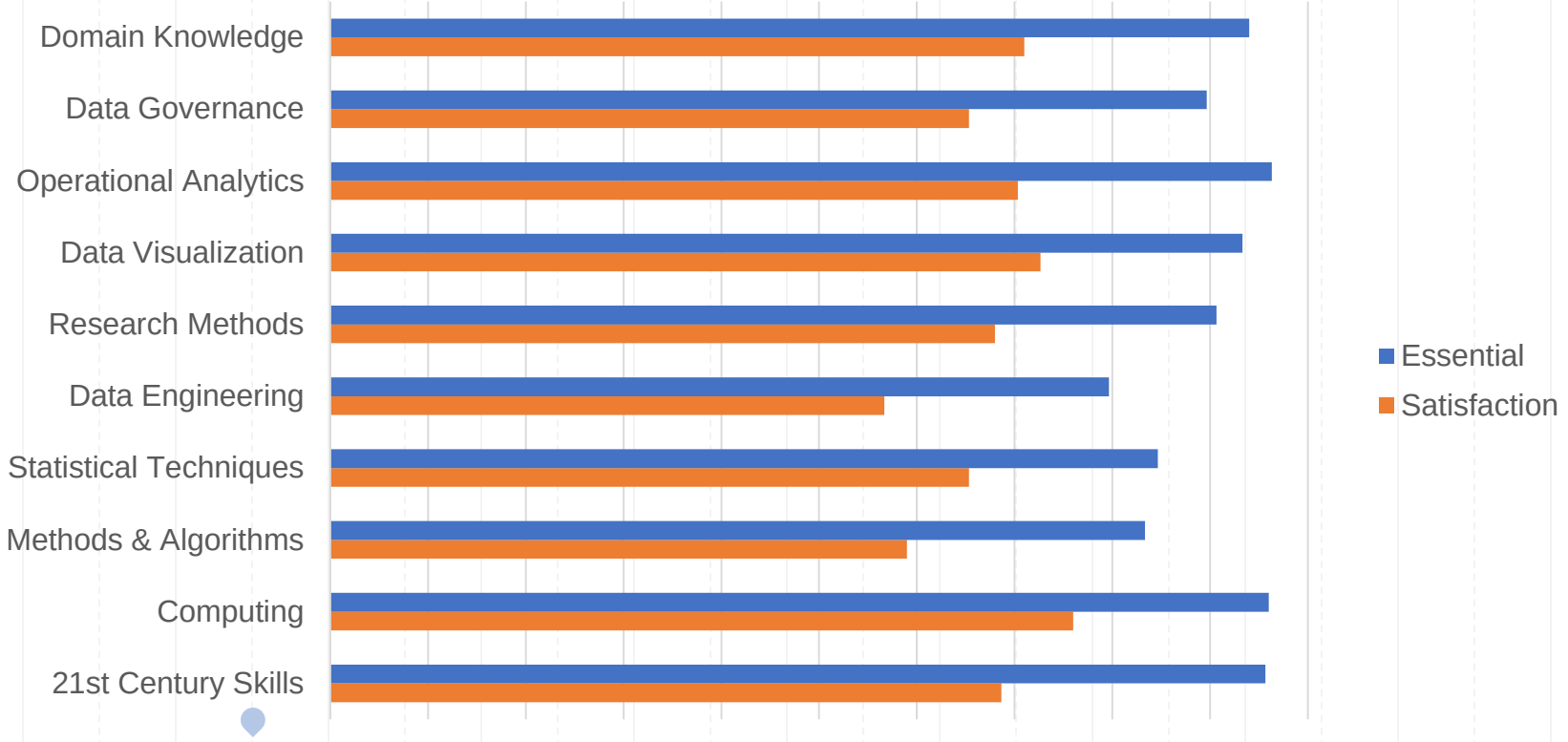
Skill Level Expectations



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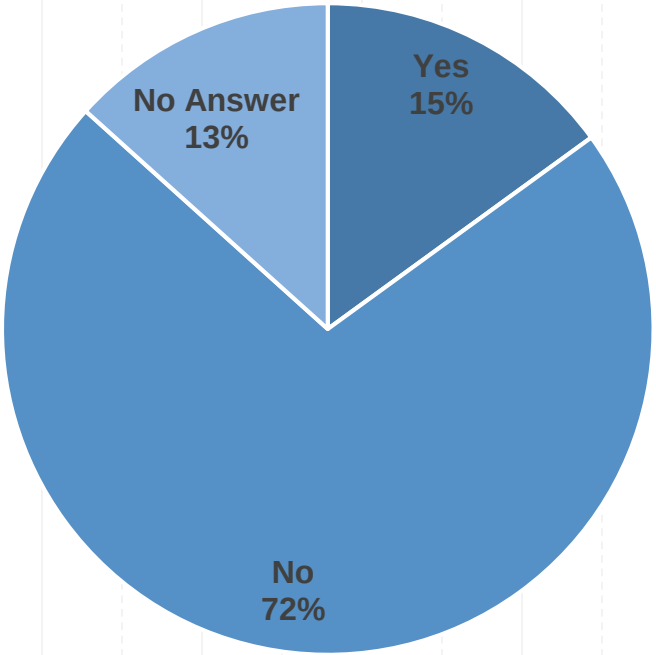
The Industry-Academe Analytics Gap

Are students getting the necessary education to bring these Analytics skills into the workplace when they graduate?



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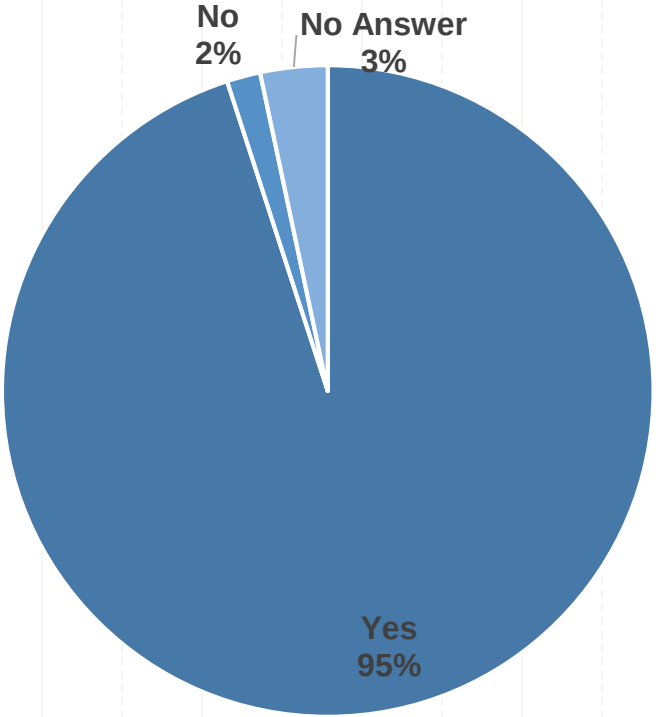
The Need for a Competency Framework

Do you see the benefit of standardizing these Analytics competencies across the country?



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Programs and Initiatives

Industry-Academe Partnerships

UST

Adamson

PUP

UA&P

Industry-Academe Partnerships

Philippine Internal Auditors Summit

Philippine Institute of Industrial Engineers

IQVIA

Industry-Academe Partnerships

Business Analytics Society of Educators

"BASE is a non-stock/profit and a volunteered-powered association dedicated to the advancement of Business Analytics concepts and practices, as an important area of discipline in all business schools, colleges and universities in the Philippines."

Industry-Academe Partnerships

A Framework for Business Analytics

Industry-Academe Partnerships

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INDUSTRY-ACADEME
DATA SCIENCE & ANALYTICS CONFERENCE 2018
APRIL 18, 2018 | UNIVERSITY OF ASIA AND THE PACIFIC

“Bridging the Industry-Academe Analytics Gap through the APEC Analytics Competencies.”

Conferences

Collaboration Plans with Government

- Review of CMOs 11-s2013 and 12-s2013
- Update of Curriculum
- On-the-Job Training Support

- Nationwide Awareness & Education
- Data Olympics
- Research & Development
- Creation of Intellectual Property

- Analytics as an Industry
- Analytics Industry Roadmap

The Analytics Association of the Philippines

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Be updated and learn more about the Digital Transformation happening today and where the Fourth Industrial Revolution will take us in the future

Get access to globally recognized standards and competency model in creating an Analytics-savvy workforce

Get hired to the sexiest job of the 21st Century through AAP endorsed certification and degree programs

Collaborate and benchmark with peers and industry players on your application of Analytics solutions in your organization

Get connected with the right partners for your data analytics requirements and training opportunities

Be a game-changer and participate in improving the country and our way-of-life through data analytics solutions!