

The unified voice of AICPA and CIMA

# Hot topics in accounting education

Technology and Analytics & ESG

Joshua Stopek, CPA

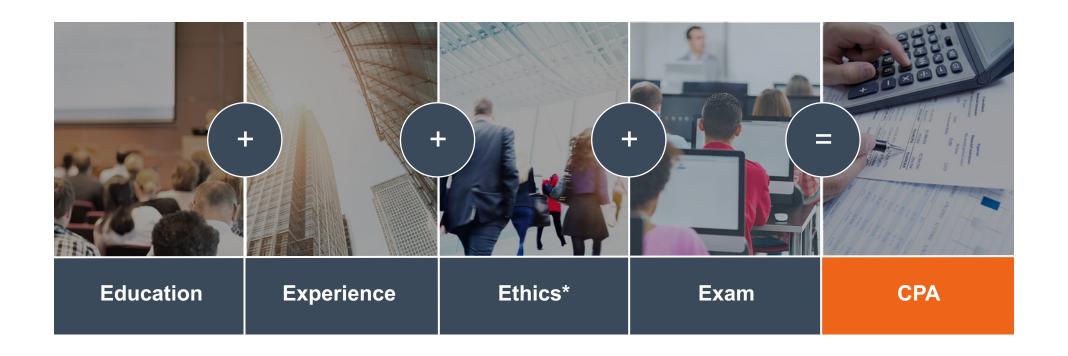
Senior Manager, Research - Examinations

There's nothing so stable as change.

**Bob Dylan** 

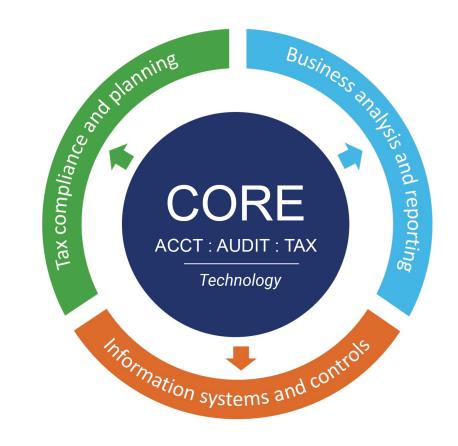
Interview with the Brown Daily Herald, 1964

# What do you need to become a CPA?



<sup>\*</sup> Certain states require a separate ethics assessment in addition to what is tested on the CPA Exam.

#### New US Uniform CPA Examination licensure model: Core and Disciplines



Strong **Core** with accounting, auditing, and regulation/taxation along with a recognition of the impact of technology

Knowledge & skills in three **Disciplines** 

Reflects reality of practice

Adaptive and flexible

One CPA license

Enhances public protection

# Who might be interested in each discipline?

# ISC



 For candidates interested in advisory, information systems, IT audit, cybersecurity and System and Organization Controls (SOC) engagements.

## **BAR**



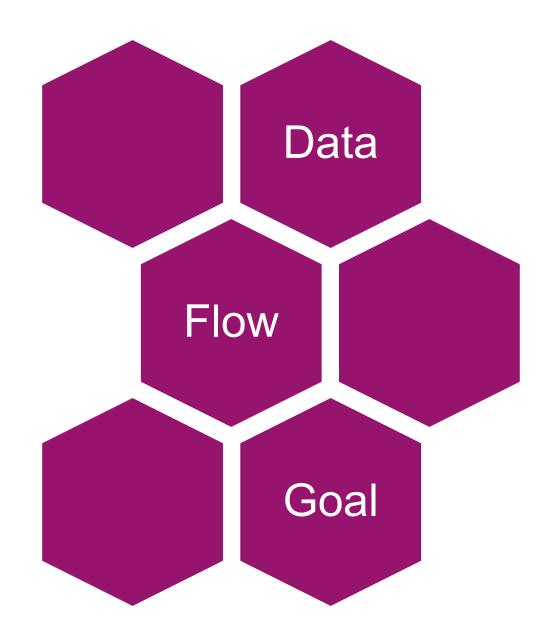
 For candidates interested in financial statement audits, financial and business analysis, including the use of analytics, technical accounting and financial reporting, and client accounting services.

### ГСР

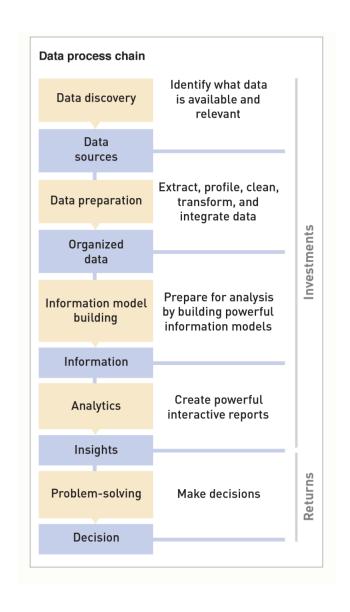


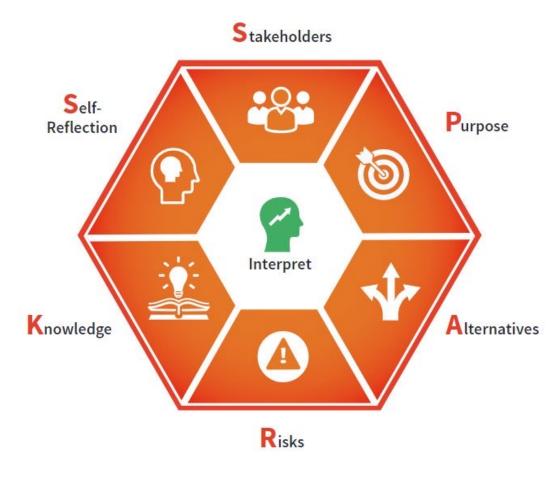
For candidates interested in taxation and personal financial planning.

# Analytics & technology



How can you think about data, analytics & technology?





How do you put together the pieces to solve accounting problems?

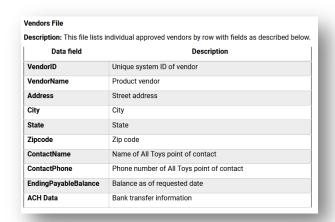
# Do I need fancy tools or software to teach and test analytics and technology?

NO.

...but is it helpful?



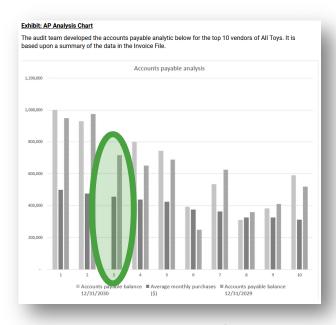
# Answers are easy...asking the right questions is difficult...



How do I select the right data to answer a question or identify a problem?



How do I clean data for use?



How do I identify outliers?

Data and cases are out there for use.

# Data & Technology across the globe



# In the US Foundational Competencies Framework

#### Technology, systems and process management

- Compare technological tools to recommend best option(s) given time and cost constraints and job specifications.
- Leverage relevant technologies to facilitate data analyses that supports organizational goals.
- Evaluate frameworks to design systems of controls that facilitate efficient and effective operations.
- Design systems to perform processes for reliable and verifiable analyses and reporting.

# Throughout the US CPA Examination



How can it be added into syllabi or test blueprints?

# A note on ISC

# ISC



- Information systems
- Data management
- Business processes
- Information security, confidentiality and privacy
- IT audits
- System and Organization Control (SOC\*) engagements

SOC engagements are designed to develop "internal control reports on the services provided by a service organization providing valuable information that users need to assess and address the risks associated with an outsourced service."

https://us.aicpa.org/interestareas/frc/assuranceadvisoryservices/socforserviceorganizations.html

# ESG

## ESG – What are we talking about?

#### **Environmental**

- Energy
- Water
- Waste
- Climate/GHG
- Biodiversity/Nature

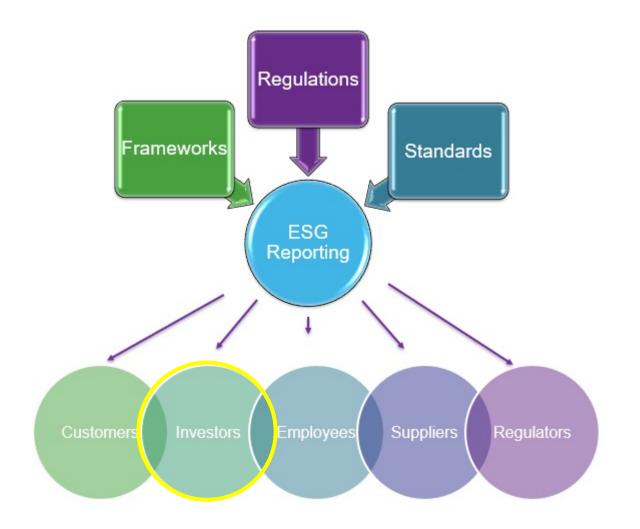
#### Social

- Health & Safety
- Diversity, Equity, Inclusion
- Talent
- Brand/Reputation
- Privacy/Cybersecurity

#### Governance

- Ethics/Conduct
- Anti-Corruption
- Executive Compensation
- Board Composition
- Risk Management

# Alphabet Soup





# MAPPING GLOBAL REPORTING AND ASSURANCE PRACTICES

Reviewed 1400 largest companies across 22 jurisdictions.

Frequency of reporting ESG information is high.

The incidence of assurance is not.

The profession has close to 2/3rds market share for assurance.

Significant differences in reporting and assurance practices exist between jurisdictions.

#### **KEY FINDINGS**

91%

of companies reviewed report some level of sustainability information

51%

of companies that report sustainability information provide some level of assurance on it 63%

of these assurance engagements were conducted by Audit or Audit-Affiliated Firms

88%

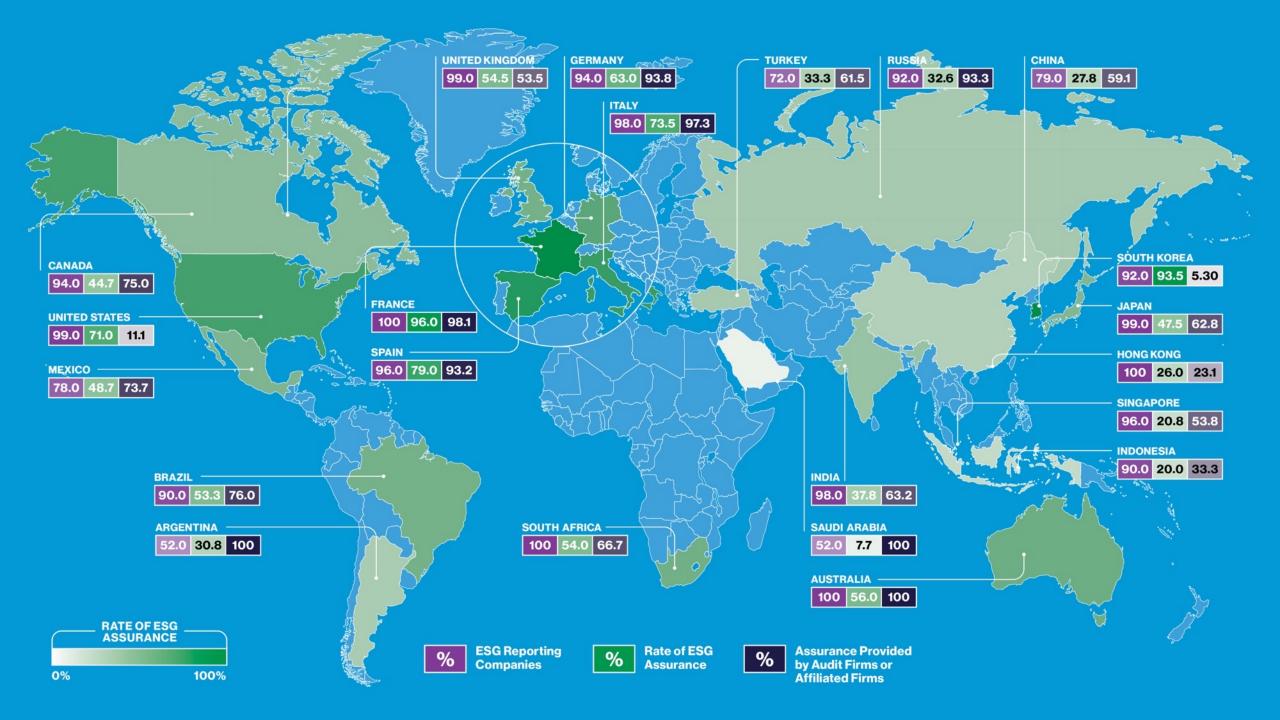
of assurance engagements employing an Audit Firm made use of the International Standard on Assurance Engagements 3000 (Revised), while other service providers often rely on alternative assurance standards 83%

of all assurance engagements result in limited assurance reports



There are significant differences across jurisdictions

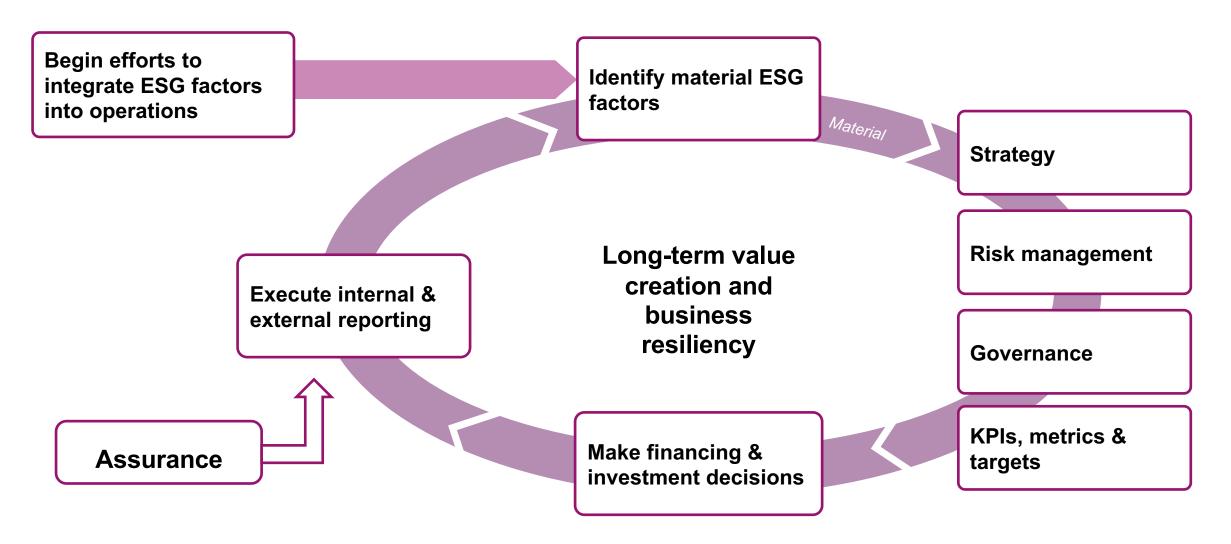




Are ESG reporting, assurance, and related issues evolving too quickly to be taught?

No.

# ESG as a part of the work finance professionals already own and support



# In the US

# Foundational Competencies Framework

#### Environment, social and governance management

- Evaluate the impact of organizational activities on the environment, society and governance.
- Explain the effect legal and regulatory global environments have on organizations.
- Describe how operating units prioritize environmental, societal and governance initiatives into operational plans.
- Explain the relevant reporting frameworks for environmental, societal and governance initiatives.
- Identify information system requirements to evaluate strategies to enhance environmental, societal and governance practices.
- Leverage relevant technologies to facilitate data analyses that support diversity, equity and inclusion.

### **BAR Section of CPA Exam**

Use of COSO ERM framework to identify, respond to, and report environmental, social and governance (ESG) related risks.

How can it be added into syllabi or test blueprints?

### In Australia/New Zealand

# Sustainability for Accountants Elective

...to contribute to and influence an organisation's values, culture, strategy and practices to ensure they align to sustainability principles, practices, frameworks and standards.

Covering topics such as:

Defining sustainability, governance, strategy, risk, sustainable finance.

ESG and performance, data, reporting, assurance.

Towards common sustainability principles, metrics, reporting

Case studies in sustainability.

How can it be added into syllabi or test blueprints?

#### Other resources

#### AICPA "Faculty Hour" Educator Webinars:

Upcoming: Demystifying ESG Friday, November 11, 2022; 2:00pm-3:30pm EST

#### Previous:

- Revolutionizing Accounting Curricula by Infusing Data Analytics in the Classroom
- Developing a Data Analytics Mindset

#### Fordham University ESG Literacy Training

#### Other AICPA initiatives:

- <u>Sustainability Disclosure Priorities for 2023</u>, November 15, 2022; 11:00am EST
- AICPA ESG Certificate Program launching November 7



# Thank you

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