

The Impact of DA & Tech on our Profession—WOW! The ABCD Perspective Artificial Intelligence/Machine Learning – Concerned with intelligent behavior by computers. Machines learning and subsequently performing tasks which previously required human intelligence Blockchain - A digital decentralized ledger consisting of "blocks" of transactions between parties **Cybersecurity** – Concerned with the projection of information accessed and transmitted over the Internet and other computer networks (protection of CIA – confidentiality, integrity, and availability of information). Data Analytics - Involves analyzing and interpreting patterns and trends based on

11 12

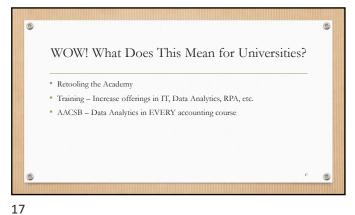


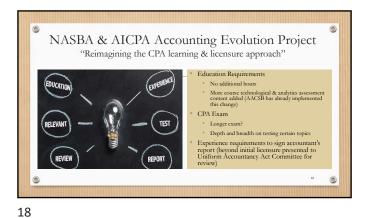
Technology - WOW! • Computer Vision - enables computers to obtain information from images, videos, or other multi-dimensional data used in facial recognition, self-driving cars, disease diagnosis, automated stores, and more. • Virtual Agent - can respond to human questions and perform adequate nonverbal behavior. Used in Alexa, Ok Google, chatbots, Siri, customer service, etc. • Cognitive Computing – augments human capabilities by providing relevant information or recommendations to help humans make better decisions (Evans, D., 2017). It brings together ML, NLP, NLG, CV and VA used in disease diagnosis, investment recommendations, Google Maps, etc.

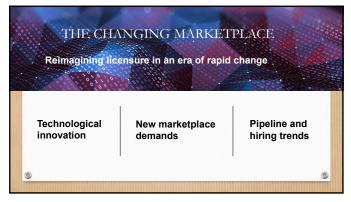
14

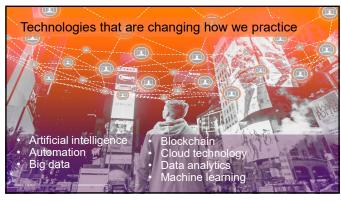


0 Skills in Demand As technological innovation and changing client demands are rapidly transforming the skills accountants need to thrive, standard accounting and audit tools along with skillsets need to be in line with the digital transformation. Technical Skills Strong written and verbal communication skills Excel Interpersonal skills (working with Data Visualization teams, getting along with others) Analtyic Modeling Strong critical thinking and technical aptitude ETL - Extract, transform, and Load tools Time management and organizational Accounting concepts





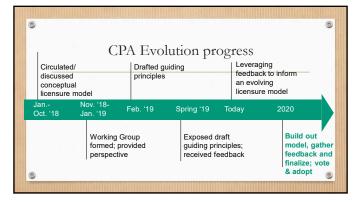




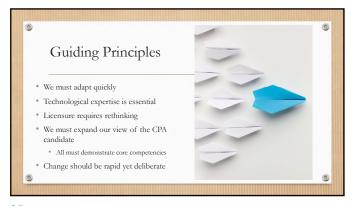


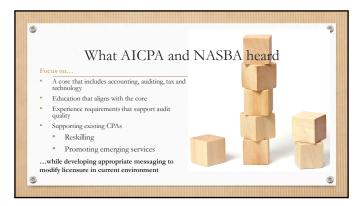






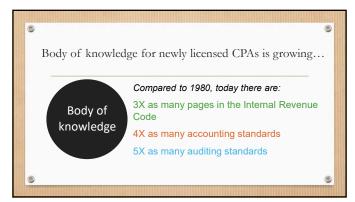
23 24



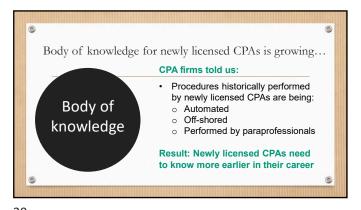


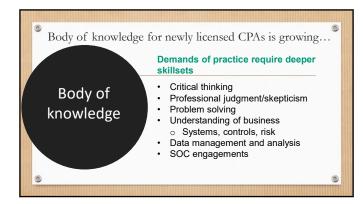
This should be about more than just technology.

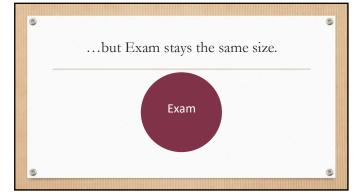
To future-proof the profession, we must think differently.

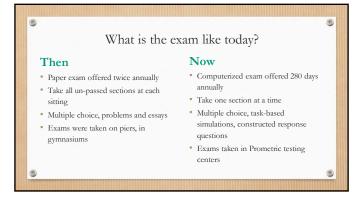


27 28

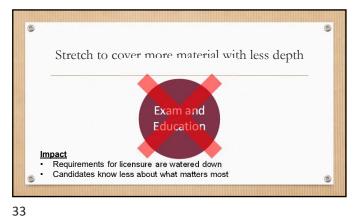


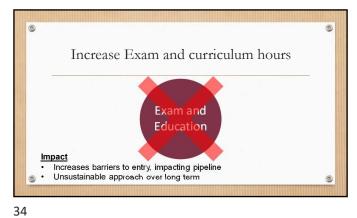


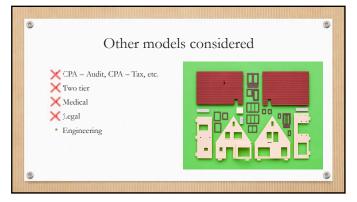


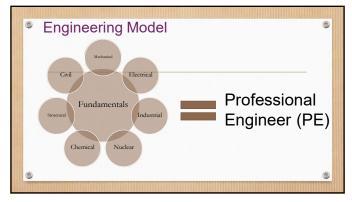


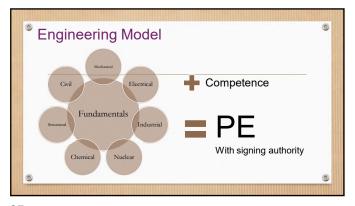
31 32







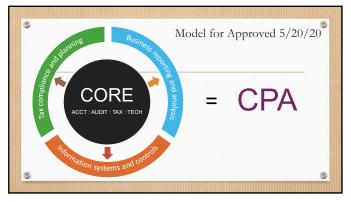


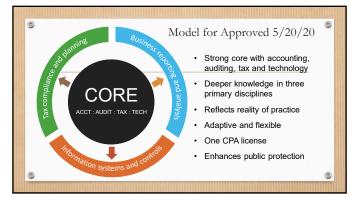


* AICPA volunteer leadership
* NASBA volunteer leadership
* State Society, State Board leadership
* Senior AICPA and NASBA staff

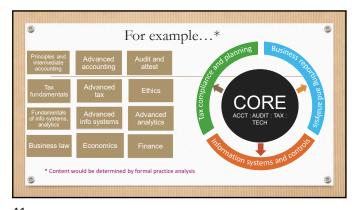
* Small firm
* Top 100 firm
* Big 4 firm
* Technology expertise
* Tax expertise
* Governmental expertise
* Governmental expertise
* Consuling expertise
* Regulatory expertise
* Regulatory expertise
* Testing/Exam expertise
* Testing/Exam expertise

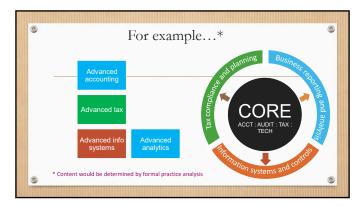
37 38

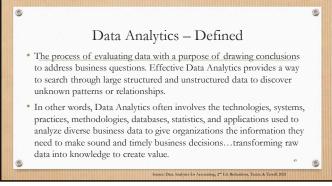




39 40

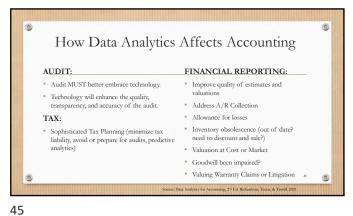


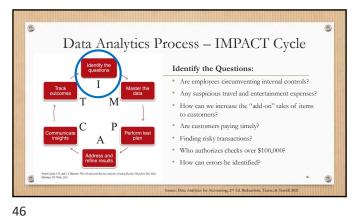


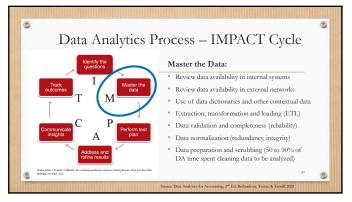


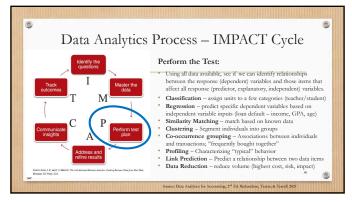
0 How Data Analytics Affects Business • Generate up to \$3 Trillion in value · Execute more directed marketing · Transform the how companies run · Give a competitive advantage over their businesses others not using DA · Discover various buying patterns of · Better identification of risks and customers opportunities · Improved internal processes, Investigate anomalies productivity, utilization and growth Forecast future possibilities

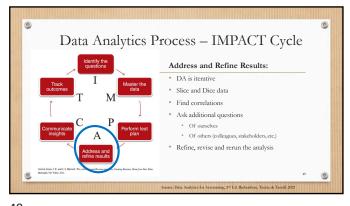
43 44

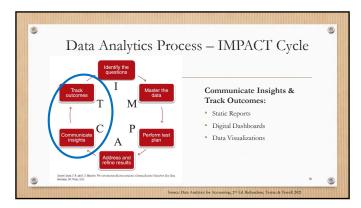


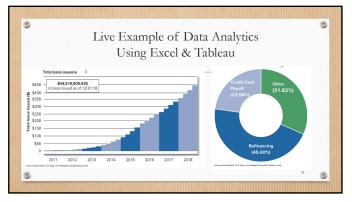


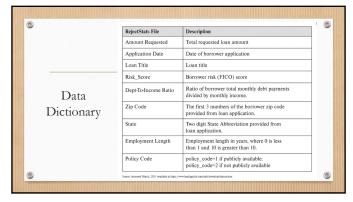




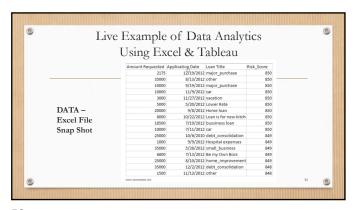


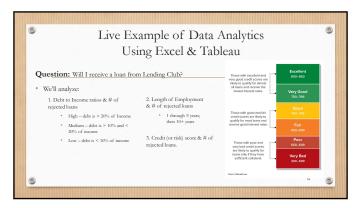


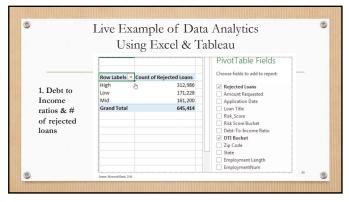


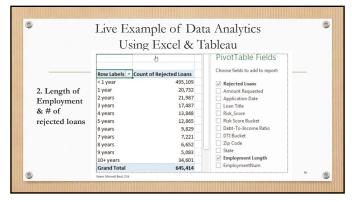


51 52

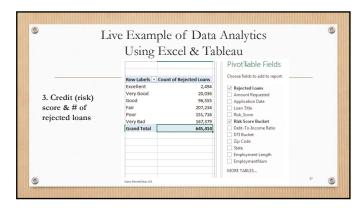


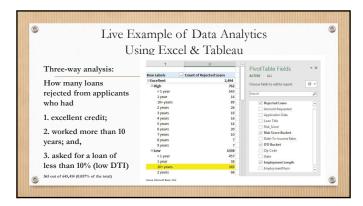


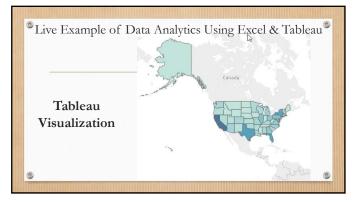




55 56









59 60

