

REIMAGINING STATISTICAL EDUCATION FOR THE NEW DATA ECOSYSTEMS

DOHA DATA FORUM
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Outline

- ▶ *Diagnosing the skills gap*
- ▶ *Envisioning the future of curricula*
- ▶ *Transforming learning delivery*
- ▶ *Measuring the impact*

Diagnosing the Skills Gap



Emerging skills needs due to new data sources & technologies



Traditional curriculum neglecting key techniques like data science & machine learning

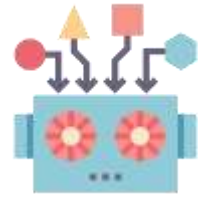


Lack of applied, experiential learning opportunities

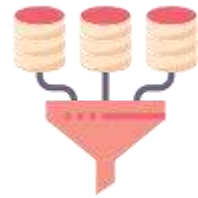


Shortage of educators with expertise in new methods

Envisioning the Future of Curricula



Integrate data science & machine learning techniques



Emphasis on experiential & applied learning



Multidisciplinary & cross-sector collaboration



Life-long learning orientation

Transforming Learning Delivery



Leverage online & blended learning models



Develop micro-credentialing & flexible courses



Adopt active learning techniques



Provide open educational resources

Measuring the Impact



Track learning outcomes & skills acquisition



Monitor career outcomes & employer feedback



Benchmark program metrics against peers



Conduct longitudinal studies on alumni

Key Takeaways

1. *Evolving skills needs due to new data sources and technologies*
2. *Curricula must integrate data science, foster applied learning*
3. *Leverage online/blended models, micro-credentials, OERs*
4. *Track learner and career outcomes through impact measurement*

Thank you



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