TITLE

Remote Learning Opportunities with Data Science

BRIEF SYNOPSIS

You're invited to explore the topic of data science, and hear specific ideas for directed online projects that promote engaging and meaningful remote learning experiences. Presented by Perry Beaumont, PhD, Columbia University Lecturer and Head of data science at Distinguished Programs, a mix of foundational and practical knowledge is uniquely shared.

Speaker:

Perry Beaumont

Speaker Bio: Perry H. Beaumont, Ph.D., serves as Head of Data Science and Actuary at Distinguished Programs (a national insurance program manager) in New York City. He is also a Lecturer at Columbia University, and has published books, articles, and blogs on a variety of finance topics. Perry Beaumont's latest publication, *Digital Finance* (Routledge Press), was released in October 2019, and he was prominently featured in a documentary released last year entitled *Data Science Pioneers*. With interests in both the academic and practitioner dimensions of financial services, he is also the recipient of a U.S. patent related to statistical applications of large datasets. Perry Beaumont also serves as a mentor for the organization Columbia Entrepreneurship, Innovation, and Design.

DURATION
47 min 03 sec

TIMESTAMPS
0:00 – Speaker Introduction
3:54 – What is Data Science? – Processes and systems to extract knowledge or insights from information, either structured or unstructured
6:04 – Data Science is more than numbers
9:39 – Data is readily accessible
18:33 – Along with free platforms
20:25 – Learning resources are also plentiful
21:45 – Some sample questions to explore
26:28 – Pulling it all together as a remote learning opportunity

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Q&A with Perry Beaumont – Available in webinar recording.

RESOURCES

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AWS Educate - Through AWS Educate, students and educators have access to content and programs developed to skill up for cloud careers in growing fields.

AWS Educate Office Hours for Educators and Students – Webinars, office hours, and training sessions for educators and students

AWS SageMaker – AWS SageMaker is a fully managed service that provides every developer and data scientist with the ability to build, train, and deploy machine learning (ML) models quickly.

AWS Training and Certification – AWS Training and Certification offers online training and certification resources.

EU Open Data Portal - EU Open Data Portal provides, via a metadata catalogue, a single point of access to data of the EU institutions, agencies and bodies for anyone to reuse.

FRED Economic Data – Federal Reserve Economic Data (FRED) produces high-quality original research in the areas of macroeconomics, money and banking, and applied microeconomics.

Github – Github provides hosting for software development version control using Git.

GEO FRED Geographical Economic Data GEO FRED Geographical Economic Data allows you to create, customize, and share geographical maps of data found in FRED.

OpenGrid - OpenGrid is an open source interactive map that allows users to explore city data in an easy to use interface.

Registry of Open Data on AWS – The Registry of Open Data on AWS exists to help people discover and share datasets that are available via AWS resources.

Sales Handy is a sales enablement tool that allows you to track emails, performance, and productivity.

United States Census Bureau - The United States Census Bureau is a principal agency of the U.S. Federal Statistical System, responsible for producing data about the American people and economy.