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Podcast Summary 1

DS160 – Intro to Data Science

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For my first podcast summary, I listened to episode 749 of the *Super Data Science* podcast. The podcast was hosted by Jon Krohn. Jon is the chief data scientist and co-founder of Nebula, which is an AI driven data analytics company. The guest on this episode was Emily Pastewka. Emily was educated at the University of Columbia and has a master's in computer science. Emily has an impressive resume. She worked as a software engineer and data analyst at Uber. Her main purpose there was to analyze "Image Data", that consisted of millions of traffic light pictures. This was used to predict traffic patterns for the company. After spending months doing research, she returned to the private sector as the head data manager at Palmetto, which is a clean energy company specializing in solar panels.

To summarize, the podcast discusses Emily's responsibilities at Palmetto and how she uses data to support the company. Emily emphasizes the importance of data science in many factors. First, she uses consumer data. This helps the company determine several things such as: The supply chain for needed materials, demand of customers for solar panels, and understanding how long the supply chain will take. Secondly, she uses data science to determine the financial state of the company. Due to high interest rates, consumers have less ability to take out affordable loans. So, Palmetto offers customers loan options for their energy plan. Emily's data analysis determined risk of customer default of loans. Data is used in the company to predict several things. Data is used to predict the weather and climate of the location the houses reside in. This is important to determine the amount of energy and sunlight the panels will be given. They also used data science to determine when maintenance of panels would incur.

This is much cheaper than sending a car to check on everyone's house.

This podcast revealed to me just how important and powerful data science is. Nearly every decision in the corporate world relies on massive data to predict future outcomes. This data is key to making smart financials decisions and innovation. But data is only useful if you can interpret it and present it. Emily states how important it is to summarize data. This podcast made me realize how relevant data science is. It is in every single company in the world.

I would recommend this episode to anyone interested in a career in computer or data science. It is very informative in showing how dynamic skills in data science are. An education in this topic could open so many doors for your career. Data is crucial. Finding ways to compile, summarize, and analyze data is the key to predicting future events and making decisions. A career in this field is in very high demand and this podcast sheds light on how interesting and needed a career in data science could be.

Source:

[SDS 749: Data Science for Clean Energy, with Emily Pastewka - Podcasts - SuperDataScience | Machine Learning | AI | Data Science Career | Analytics | Success](#)

