THE MODEL THINKER What You Need to Know to Make Data Work for You

Description

Tweet

by Scott E. Page. Published by Basic Books, 2018

Book review by Carol Wells â??Page proposes a â??many-model paradigm,â?• where we apply several mathematical models to a single problem. The idea is to replicate â??the wisdom of the crowdâ?• which, in groups like juries, has shown us that input from many sources tends to be more accurate, complete, and nuanced than input from a single sourceâ?•

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From his Coursera course, which the book builds on: â??We live in a complex world with diverse people, firms, and governments whose behaviors aggregate to produce novel, unexpected phenomena. We see political uprisings, market crashes, and a never-ending array of social trends. How do we make sense of it? Models. Evidence shows that people who think with models consistently outperform those who donâ??t. And, moreover, people who think with lots of models outperform people who use only one. Why do models make us better thinkers? Models help us to better organize information â?? to make sense of that fire hose or hairball of data (choose your metaphor) available on the Internet. Models improve our abilities to make accurate forecasts. They help us make better decisions and adopt more effective strategies. They even can improve our ability to design institutions and procedures. In this class, I present a starter kit of models: I start with models of tipping points. I move on to cover models explain the wisdom of crowds, models that show why some countries are rich and some are poor, and models that help unpack the strategic decisions of firm and politicians. The models covered in this class provide a foundation for future social science classes, whether they be in economics, political science, business, or sociology. Mastering this material will give you a huge leg up in advanced courses. They also help you in life. Hereâ??s how the course will work. For each model, I present a short, easily digestible overview lecture. Then, Iâ??ll dig deeper. Iâ??ll go into the technical details of the model. Those technical lectures wonâ??t require calculus but be prepared for some algebra. For all the lectures, Iâ??ll offer some questions and weâ??ll have quizzes and even a final exam. If you decide to do the deep dive, and take all the quizzes and the exam, youâ??ll receive a Course Certificate. If you just decide to follow along for the introductory lectures to gain some exposure thatâ??s fine too. Itâ??s all free. And itâ??s all here to help make you a better thinker!â?•

Some of his online videos on Coursera

- Prediction
- Linear models
- Diversity prediction theorem
- The many model thinker

Other videos

- Scott Page â?? Bees Do It: Can Humans? Realizing Our Collective Intelligence â?? 04/14/18
- Scott Page on leveraging diversity, 2010

Category

1. Books

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