

HUDK 4050: CORE METHODS IN EDM

In the news

The Perfect Resume Medium

How to write one and land your dream job

Once considered a boon to democracy, social media have started to look like its nemesis

The Economist

The Rise of Big Data Policing: Surveillance, Race, and the Future of Law Enforcement

<http://listen.datasociety.net/rise-big-data-policing-surveillance-race-future-law-enforcement/>

MAINE FOCUS

Maine's education data say schools hired 18,000 in 2015. They didn't.

University fundraising under scrutiny after data breach allegations

theguardian

ScienceNews
MAGAZINE OF THE SOCIETY FOR SCIENCE & THE PUBLIC

lohud.
PART OF THE LEAN TODAY NETWORK

Philosophical critique exposes flaws in medical evidence hierarchies

Bedford admits error in student test score data

ROAD TO VR

1,350 Student VR Education Study Measures Attitudes, Interest in VR Learning & Building

EdSurge

Spotting the 2017 Trends That Fuel Edtech Innovation and Investments

TechRepublic.



AI Boosts Personalized Learning in Higher Education

EdTech
Focus On Higher Education

21 weird tech job titles of the future

Tech, Digital Citizenship Support Social and Emotional Learning for K-12 Students

The Washington Post
Democracy Dies in Darkness

Forbes' weird list of '30 Under 30' in education: No classroom teachers made the cut

Events

Event	Date	Time	Location	URL
Innovative Teaching Co-op Monthly Meetup - December	December 6	4:30pm	Newsela, 475 10th Ave	https://www.eventbrite.com/e/innovative-teaching-co-op-monthly-meetup-december-2017-tickets-39559535636
Global Edtech Landscape	December 12	3:00pm	Online	https://www.eventbrite.com/e/webinar-global-edtech-landscape-tickets-39186587137
MAPLE Landscape Analysis Findings	December 14	4:00pm	Online	https://www.eventbrite.com/e/webinar-findings-a-report-on-personalized-learning-in-massachusetts-tickets-39627055590
iOS Winter Bootcamp	January 1 - 12		UC Berkeley	http://www.bayareamobile.io/
Building Equity in Tech	December 5	7:00pm	BRIC 647 Fulton St	https://www.eventbrite.com/e/the-stoop-series-re-programming-building-equity-in-tech-tickets-36872928923?utm_source=eb_email&utm_medium=email&utm_campaign=order_confirmation_email&utm_term=eventname&ref=eemailordconf

Opportunities

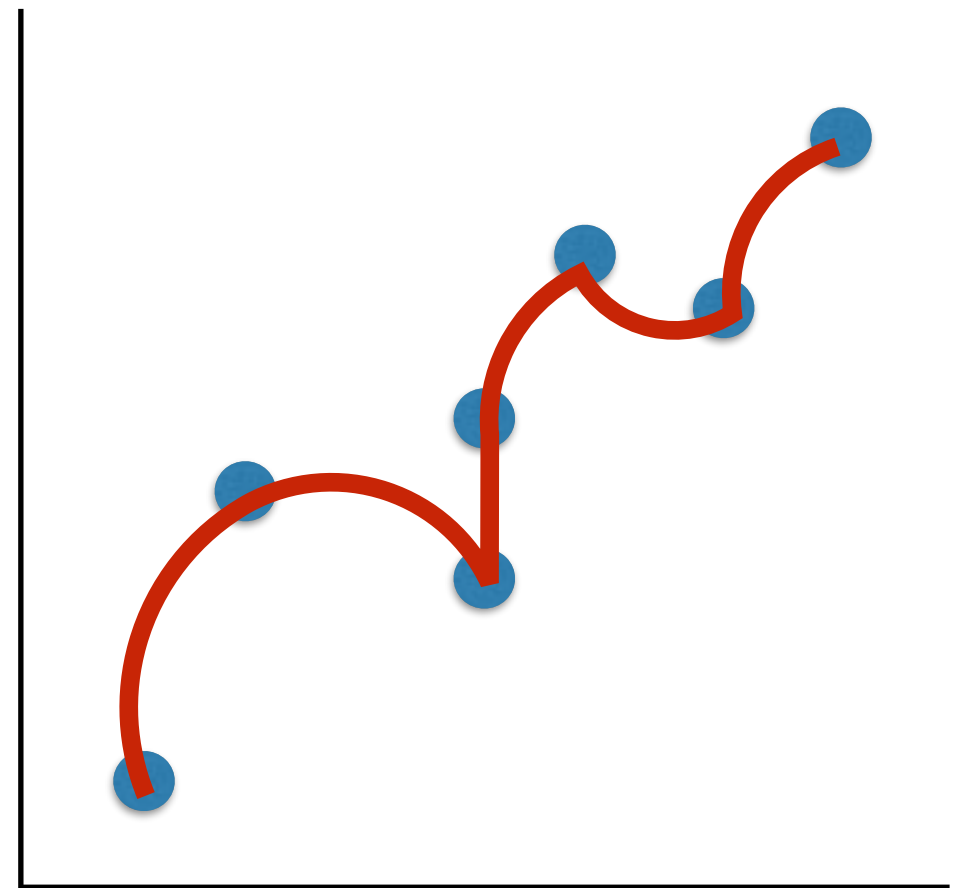
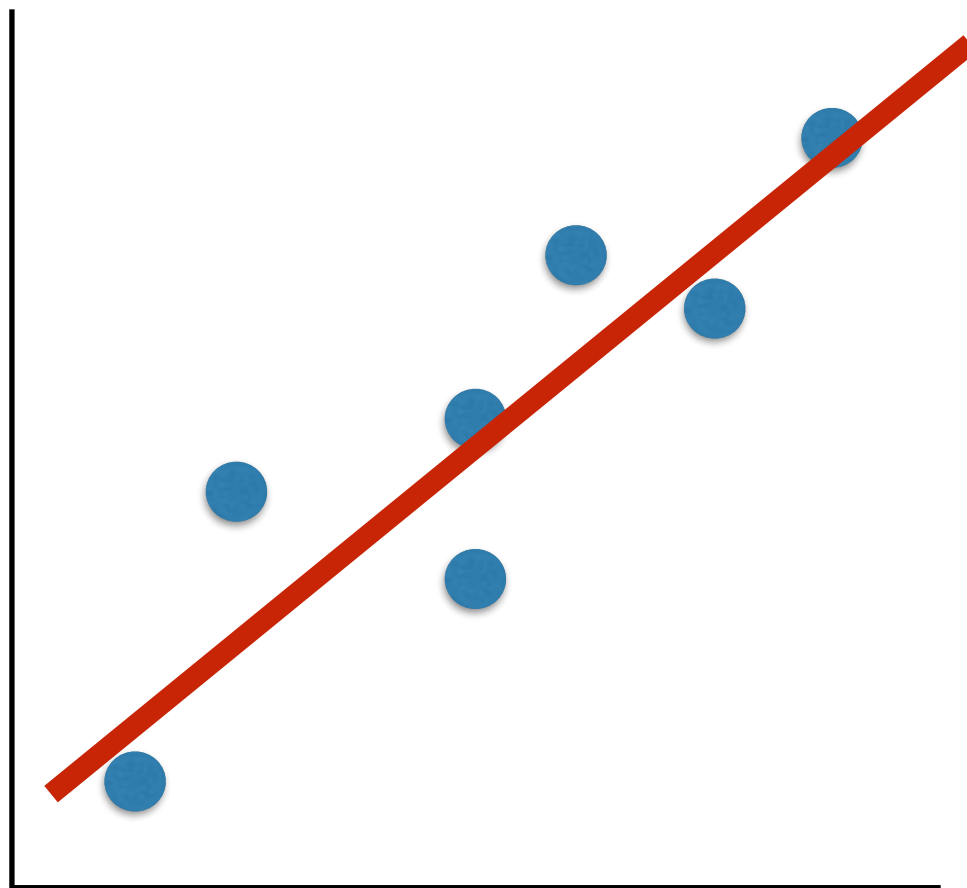
HEC Montréal – [PhD in Management, Strategy and Organizations](#)

Luciano Barin Cruz

DataKind (Meetup)

Volunteers to help predict student pathways at Delgado Community College

Cross Validation



Which is more “accurate”?

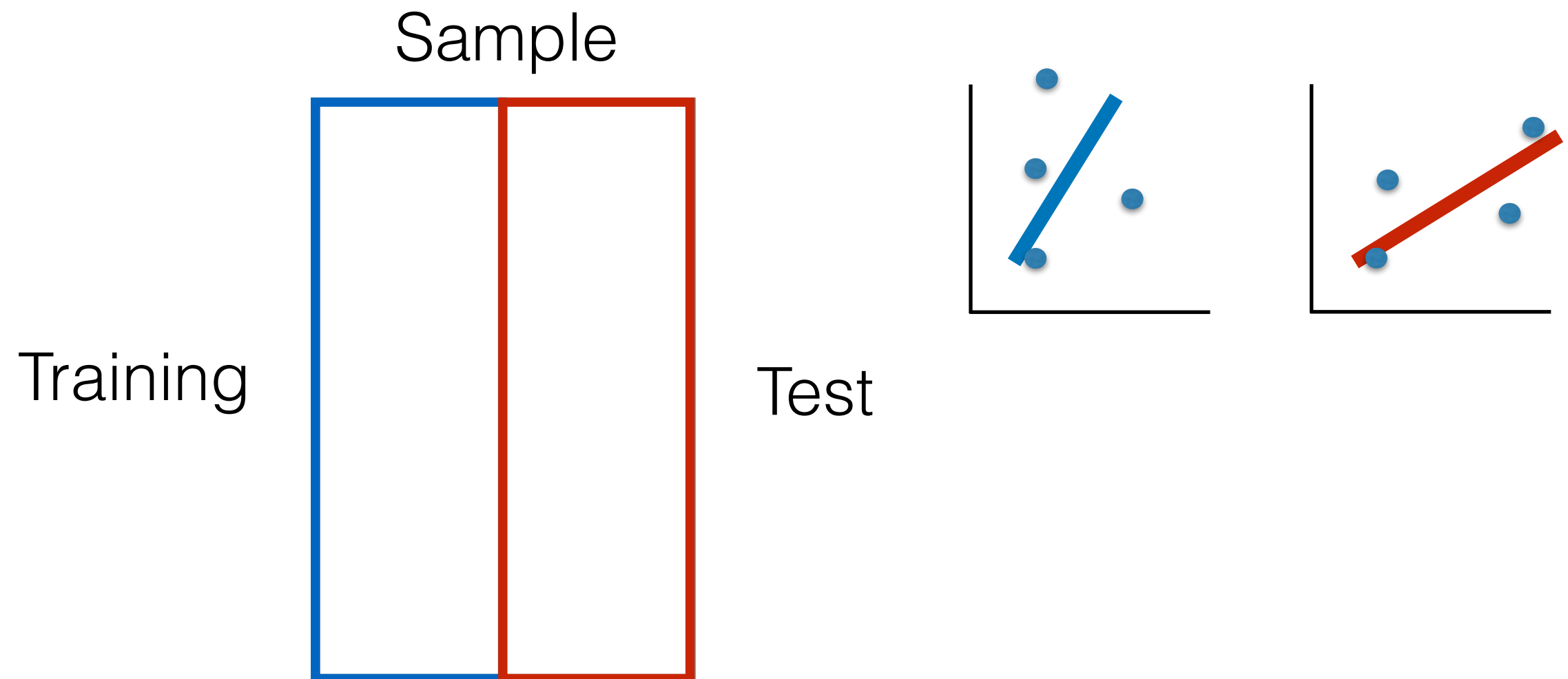
Which is more “useful”?

How can we tell?

Cross Validation


- Estimate how accurately a predictive model will perform in practice
- Give an insight on how the model will generalize to an independent dataset

Hold-out Validation



Problem: very dependent on which data are in each group

K-Fold Cross Validation

Sample			M1 Error	M2 Error
Test 1		Training 1	5	2
Test 2		Training 2	4	2
			3	1
			5	4
			4	2
			<hr/>	<hr/>
			4.2	2.2

Calculate how accurate we are in each “fold”
and average the answer

Activity

1. Which make better pets? Dogs or cats?
2. Count how many in each category at your table-group