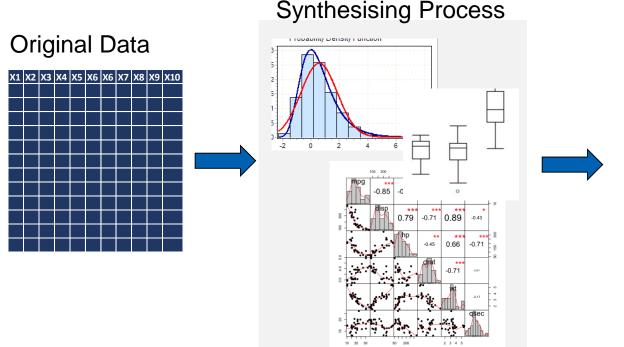


Synthetic Data – Even Better than The Real Thing

What is Synthetic Data

 Synthetic data is a data that is generated from knowing the distributions & correlations within the original data but is generated so as it contains no actual observations from the original data





The Research

Tl	ne Synthetic data	vault	Ref: http://www.govtech.com/securit y/University-Researchers-Use-
Neha Patki	Roy Wedge	Kalyan Veeramacl	Fake-Data for-Social-Good.html
CSAIL, MIT Cambridge, MA - 02139	LIDS, MIT Cambridge, MA - <u>02139</u>	LIDS, MIT Cambridge, MA- (02139
npatki@mit.edu	rwedge@mit.eo	JECONT	
Abstract—The goal of this paper is to build a system that automatically creates synthetic data to enable data science en- deavors. To achieve this, we present the Synthetic Data Vault (SDV), a system that builds generative models of relational databases. We are able to sample from the model and create synthetic data, hence the name SDV. When implementing the SDV, we also developed an algorithm that computes statistics at the intersection of related database tables. We then used a state-		University Researchers Use 'Fake' Data for Social Good Image: Constraint of MetroLab's Innovation of the Month series highlights how researchers are addressing the challenges of privacy, data storage and usability, and creating synthetic data sets to improve social outcomes. EV BEN LEVINE / NOVEMBER 7, 2017 Image: Constraint of MetroLab's Innovation of the Month series highlights how researchers are addressing the challenges of privacy, data storage and usability, and creating synthetic data sets to improve social outcomes. EV BEN LEVINE / NOVEMBER 7, 2017 Image: Constraint of MetroLab's Innovation of the Month series highlights how researchers are addressing the challenges of privacy, data storage and usability, and creating synthetic data sets to improve social outcomes. Image: Constraint of MetroLab's Innovation of the Month series highlights how researchers are addressing the challenges of privacy, data storage and usability, and creating synthetic data sets to improve social outcomes. Image: Constraint of MetroLab's Innovation of the Month series highlights how researchers are addressing to the Innovation of the Month series highlights how researchers are addressing to the Innovation of the Month series highlights how researchers are addressing to the Innovation of the Month Series highlights how researchers are addressing to the Innovation of the Month Series highlights how researchers are addressing to the Innovation of the Month Series highlights how researchers are addressing to the Innovation of the Month Series highlights how researchers are addressing to the Innovation of the Month Series highlights how researchers are addressing to the Innovation of the Month Series highlights how researchers are addressing to the Innovation of the Month Series highlights how researchers are addressing to t	
Ref: http://www.govtech.o y/University-Researc Fake-Data-for-Socia	chers-Use-		000000000000000000000000000000000000

Our Problem

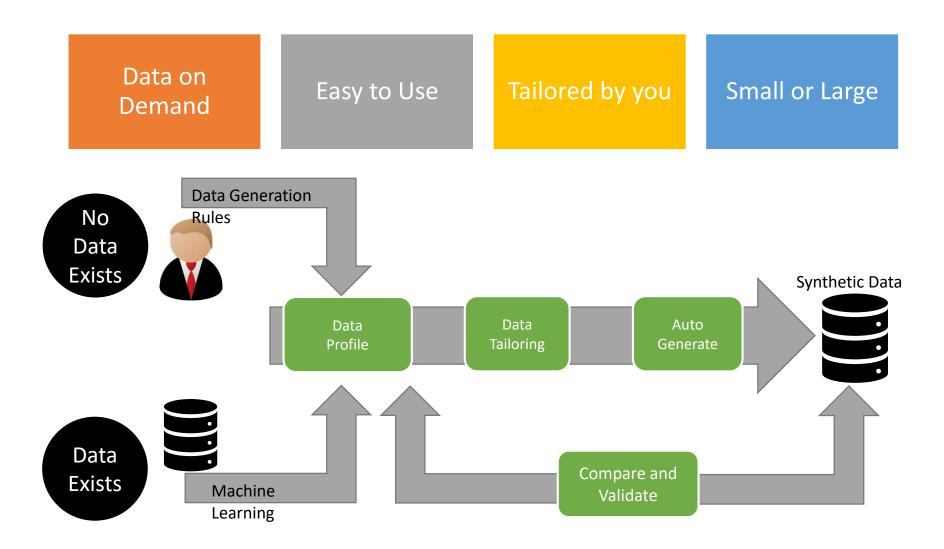
New Generation Education



 Generate data samples that replicated real world data without access to the data



Our Solution - Trevidata



Trevidata

Synthetic Data – Even Better than The Real Thing?

- We are currently looking for real world problems to test our software on?
- Do you have a data problem that synthetic data can help solve – Contact us, we would love to work with you –

Trevidata

- Contact details:
 - Aoife@theanalyticsstore.com
 - www.trevidata.com