Big Data Event

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ACSIP & IBM Big Data University

2015-12-06

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ACSIP
IT 资深人协会

A Platform

For **Senior IT Professionals**

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BIG DATA TOOLS AND CASE STUDIES

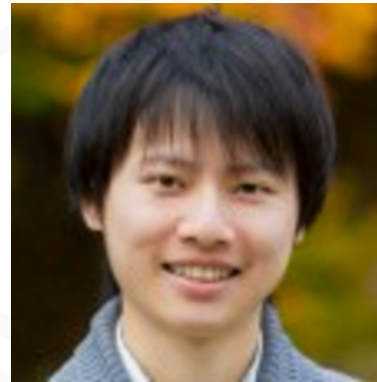Dec 6th, 2015

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AGENDA

- Big Data University and Meetup

- Learning Path in Big Data

- Big Data Tools - Data Scientist Workbench

- Case Studies and Demo

- **Big Data University and Meetup**

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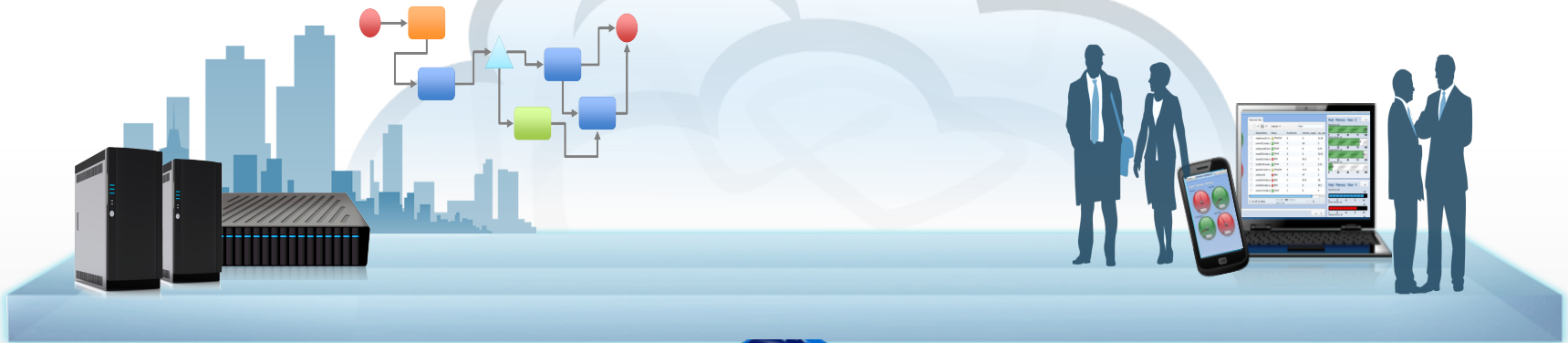
- Case Studies and Demo

SMARTER ENTERPRISES ARE ABLE TO BALANCE OPTIMIZATION WITH INNOVATION

Optimize
our IT infrastructure, data and processes

Innovate
how we engage, make decisions and work

Technology Leaders

Chief Information Officers

Technology Architects

Dev & Ops Leaders

Drives Need

Drives Investment

Line of Business Leaders

Marketing Leaders

Sales Leaders

Finance & HR Leaders

WHAT IS BIG DATA UNIVERSITY (BDU)?

bigdatauniversity.com

WHAT IS BIG DATA UNIVERSITY (BDU)?

- A **community** initiative led by IBM

- **@yourpace, @yourplace** online courses about data

- Developed by **industry experts**

- **Free** courses by the community with hands-on labs

- Certificate of completion and **badges**

- Looking for **contributors**!

BigDataUniversity.com

@bigdatau   #BDUmeetup

BigDataUniversity.com

In Portuguese:

[BigDataUniversity.com.**br**](BigDataUniversity.com.br)

In Chinese:

[BigDataUniversity.com.**cn**](BigDataUniversity.com.cn)

globalgoals.org

CANADIAN TOUR AND EXPANDING!

@bigdatau   #BDUmeetup

MEETUP DETAILS

- Live streaming, video replay, materials available:
  bigdatauniversity.com/events

- Tweet in general and for questions:
  @bigdatau   #BDUmeetup

- Supporting Big Data University (BDU) course to this meetup:

  "Getting started with Data Science"
  "Spark Fundamentals"

meetup.com/Toronto-BDU-Big-Data-University-Meetup/

All Toronto meetups are live streamed and recorded
bigdatauniversity.com/events

AUDIENCE ANALYTICS

- 5-question **anonymous** poll
- We will see answers in real time

http://bit.ly/acsipDec06

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- ## Data Science

  - Getting Started with Data Science
  - Data Science Methodology
  - Introduction to R
  - Watson Analytics

- ## Data Cleaning and exploration

  - Introduction to OpenRefine
  - Exploring CO2 Emissions Data using Pandas data frames in Python
  - Exploring and Visualizing the Number of Out-of-School Children Around the World using Python

- **Machine Learning and Data Analysis**

  - Data Mining Algorithms
  - Introduction to Data Analysis using R
  - Machine Learning – Cluster Analysis

- **Big Data**

  - Spark Fundamentals   I
  - Spark Fundamentals II

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BIG DATA TOOL - DSWB

www.DataScientistWorkbench.com

*A **FREE** open source based platform to help with end-to-end big data analytics for everyone*

- **Various formats of offering**

  - Saas on the cloud
  - Laptop
  - On-premise

- **What it contains ?**

  - OpenRefine -> Data Cleaning
  - Notebook -> Data Analtycis
  - Rstudio -> Data Analytics
  - Built-in Spark -> Computing Engine

BIG DATA TOOL - DSWB

- **Supported languages**

  - Scala
  - Python
  - R

- **Others you must know**

  - Knowledge base

    Articles or blogs of best practices
  - UserVoice

    Real-time support, submit tickets

BIG DATA TOOL - DSWB

- Supported languages

  - Scala
  - Python
  - R

- Others you must know

  - Full sets of tutorials

    Spark in R/Scala/Python, matplotlib, pandas cookbooks
  - Knowledge base

    Articles or blogs of best practices
  - UserVoice

    Real-time support, submit tickets

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CASE STUDIES/DEMO

-

  - Spark Fundamentals (Leo Wu)

  - Weather Analysis (Polong Lin)

  - And more (Polong Lin)

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