THE RISE OF THE CITIZEN DATA SCIENTIST

🕐 Last update: January 12, 2018   👤 Luc Burgelman   📁 Blog   💬 No comments

We have written a few times about the data scientist profession here in this space (and by the way, we're hiring for that role as we speak!). The role of data scientist is unique in any organization. As we say in our own job description, the data scientist's function is at the core of organizational success with big data, and data scientists have the critical responsibility of humanizing organizational data to help businesses better understand their consumers. In short, they serve as the interpreters between data and action, responsible for creating and executing strategies that will enable companies to gain a deeper and more nuanced understanding of their users.

Requirements for being a data scientist are pretty rigorous, and truly qualified candidates are few and far between. I wrote about that subject for Wired last year, and you can read it here. Not everyone has the technical background, the personal skills and the business acumen to be able to pull it off.

But recently, I attended Gartner's Business Intelligence & Analytics Summit in Las Vegas where I kept hearing the same phrase over and over again – the citizen data scientist. The idea here is that tools and technology have advanced to a place where everyday Joes within an organization can leverage them to perform analytic

ASA Community

Data Science/Analytics Courses/Programs in Two-Year Colleges

By Steve Pierson posted 04-25-2017 21:58

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The ASA has been seeking to help two-year colleges in their considerations to offer data science/analytics courses or start data science/analytics programs. As part of the effort, we compiled an informal and incomplete list of such programs. The recent query to ASA Connect spurs me to share our list and also ask for help to make it more complete.

The NSF has funded an ASA proposal to host the Two-Year College Data Science Summit, May 10-11, 2018 in Washington, DC. Please visit the website to learn more.

The data science/analytics courses or programs at two-year colleges of which we are aware are the following. Please let me know what we're missing and I'll update this list.

- Bunker Hill Community College, MA: Data Management (Fast-Track) Certificate Program
- Cerro Coso Community College, CA: Data Analyst I Certificate
- Community College of Allegheny County, PA: Data Analytics Technology Associate of Science
- Great Bay Community College, NH: Certificate in Practical Data Science
- Johnson County Community College, KS: Data Science, Data Analytics Certificate
- Manchester Community College, NH: Applied Data Analytics Certificate
- Montgomery College Data Science Program, MD: its Collegewide Curriculum Committee has approved four data science courses, the first to start this fall.
- Nashua Community College, NH: Foundations in Data Analytics
- Normandale Community College, MN: Data Management & Analysis
- Sinclair College, OH: Data Analytics DA.S.CRT
- Wake Tech Community College, NC: Associate in Applied Science degree in Business Analytics
- Washtenaw Community College, MI: Applied Data Science Certificate

You might also be interested in these other data science/analytics resources:

- ASA Statement on the Role of Statistics in Data Science and ASA Executive Director Ron Wasserstein's accompanying blog entry
- Q&A's with bachelor's data science/analytics programs: August 2015 Amstat News; July 2015 Amstat News
- Q&A's with master's data science/analytics programs: April 2017 Amstat News; more Q&A's coming in June 2017 issue
- Q&A's with community college statistics instructors: November 2015 Amstat News
- Universities and Colleges Creating New Undergraduate Statistics (and Related) Programs, November 2014 ASA Community blog entry
- The Emergence of Master's in Analytics and Data Science Programs, August 2016 ASA Community blog entry

See other ASA Science Policy blog entries. For ASA science policy updates, follow @ASA_SciPol on Twitter.

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