

Big Ten Academic Alliance Nursing Informatics Collaborative Webinar Series

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Big Ten Academic Alliance Nursing Informatics Collaborative

**AMPLIFYING HEALTH
RESEARCH AND PRACTICE**

BIG
ACADEMIC ALLIANCE

Explore the 2017-18 Webinar Series:

No. 1: Big Data: What is it and why is it important for nursing?

Date:

March 9, 2017

Speaker:

Thomas R. Clancy, PhD, MBA, RN, FAAN
University of Minnesota School of Nursing

Description:

This webinar provides an overview of data science and its potential benefits to research — specifically nursing research. The presentation begins with differentiating between data analytics, data science, and big data. Next, Dr. Clancy discusses the seven V's of big data (volume, velocity, variety, veracity, variability, visualization, value) then continues with explicating research approaches and methods used with large, complex data sets.

Watch Webinar

No. 2: Machine Learning in the Age of Health Care Analytics

Date:

April 20, 2017


Speaker:

Warren D'Souza, PhD, MBA, FAAPM

Vice President, Enterprise Data & Analytics
University of Maryland Medical System

Description:

This webinar provides an introduction to machine learning and how it applies to the skill sets and training of data scientists.

Download Slides 

No. 3: Big Data in Small Places**Date:**

Oct. 26, 2017

Speaker:

Todd Papke, PhD
Technology Innovations Scientist
School of Nursing
University of Iowa

Description:

This webinar discusses mechanisms for acquiring and organizing large datasets; it covers opportunities and challenges in using big data, including:

- broadening the research group using mobile applications
- applying Electronic Health Record (EHR) system data to research
- identifying available data types
- understanding requirements for data acquisition.

Watch WebinaR*

**requires download of WebEx player*

No. 4: Mining Health Data for Prediction and Pattern Identification**Date:**

March 12, 2018

Speaker:

Matthew A. Davis, MPH, PhD
University of Michigan School of Nursing

Description:

There is considerable interest among researchers in the application of new methodologies to mine data for prediction and pattern identification. However, there is often a communication disconnect between health content experts and those who possess the technical knowledge of data mining methods. The purpose of this seminar is to provide a conceptual overview of popular data mining techniques. In doing so, example applications of the techniques covered to health research will be presented.

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Free Online Course in Nursing Informatics

The Big Ten Academic Alliance Nursing Informatics Collaborative also offers a **free** course for faculty who are new to nursing informatics and who are interested in a broad overview of the discipline.

The course integrates various nursing informatics standards into the curriculum and provides examples of methods, tools, and learning resources to teach them. Subjects include:

- knowledge complexity
- informatics literacy
- nursing knowledge work
- data standards and standardized languages
- clinical decision support
- future trends.

The course is a collaborative effort between the University of Minnesota, the Gordon and Betty Moore Foundation, and the American Association of Colleges of Nursing.

Take the Course

Disclosure

Planning committee members and faculty involved in this continuing education activity did not report any conflict of interest or financial relationship with a commercial interest that would bias the content of this presentation. This educational activity has not received any form of commercial support.

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