HEALTH ANALYTICS MINOR

Description

The objective of this minor is to provide a basic background in analytics for those who are pursuing majors in health or health related fields but would like a more data and analytic rich skills set. The minor will take an application-oriented focus and is intended for those students interested in more exposure to the underlying data related components of data visualization, the data and analytic ecosystem within organizations and society, and the use and implications for use of health analytics. The minor assumes preparation in an undergraduate statistics class.

The minor is meant to allow students to both have a core related to health analytics, but also customize their approach along the continuum of skills via the use of the two electives. For example, students wishing to become more hands on data practitioners and thus facile with the programming environment can do that, whereas students who wish to be more focused on data consumption or data translation for change can elect for that option.

Requirements

Academic Policies - Minors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMP 401</td>
<td>United States Health Care Systems</td>
<td>4</td>
</tr>
<tr>
<td>HMP 512</td>
<td>Using Data to Improve Human Health</td>
<td>4</td>
</tr>
<tr>
<td>HMP 703</td>
<td>Translation of Health Data</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives

Select two courses from the following:

- ADMN 410 Management Information Systems 8
- CS 408 Living in a Networked World: The Good, the Bad, and the Ugly
- CS 417 From Programs to Computer Science
- CS 501 Professional Ethics and Communication in Technology-related Fields
- DATA 557 Introduction to Data Science and Analytics
- DS 673 Database Management
- DS 662 Programming for Business
- HMP 501 Epidemiology and Community Medicine
- HMP 702 Programming in Healthcare Environments
- HMP 711 Introduction to Healthcare Operations Analytics
- HMP 712 Healthcare Operations Management
- IT 403 Introduction to Internet Technologies
- MATH 645 Linear Algebra for Applications

Total Credits 20