

An aerial photograph of a city, likely Dubai, showing a complex multi-level highway interchange with several overpasses and ramps. In the background, there are numerous skyscrapers and modern buildings. The foreground shows some lower-rise buildings and parking lots. The image is split diagonally, with the left side being a solid dark grey and the right side showing the cityscape.

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What is the
relationship
between healthcare
informatics and
statistics?

What are we called?

- Informaticist vs Informatician?
- Synonymous
 - Informaticist - A person practicing the science of informatics.
 - Informatician - Someone who practices informatics.
 - <https://wikidiff.com/informaticist/informatician>
- Still debated
 - One of those who commented on the blog—a techie whom I actually know—suggested “the plain and simple ‘guru of everything.’”
 - <https://www.meaningfulhitnews.com/2005/07/14/you-say-tomato/>



Desired Skills

- Clinical knowledge
- Data management
- Data visualization
- Analytics
- Statistical procedures
- Ebook: Forecasting Informatics Competencies for Nurses in the Future of Connected Health



How will data be used?

- You may be consulted on data collection and storage.
- You need to know what data will be used for.
- A major use of healthcare data is for research.
- Statistical analyses are totally dependent on the format of how measurements are made and how data are stored.
- You may not be called upon to run the actual analyses and interpret the results, but it will be in everyone's best interest if you have an understanding of how to properly store the data needed.
- You can't really do that without knowing something about how it will be used.



Data to Improve Quality and Efficiency

- You may be asked to help improve quality and efficiency in your own operation or other operations in healthcare.
- You need to know the tools and skills that will help you make a meaningful contribution.
- A knowledge of statistical tools and techniques will help you be a meaningful contributor.



Data Analytics

- Data analytics is a growing field.
- R is widely used and worth getting to know.

