LEARNING OBJECTIVES

- Identify how technology tools promote mastery of advanced research content in statistics and research methodologies.

- Utilize cloud-based tools to provide interactive platforms for building and presenting graduate student research assignments

DISCLOSURE STATEMENT   Cheryle Levitt, PhD, RN, SUNY Delhi

There is no sponsorship or commercial support provided for this presentation.

Commercial product names mentioned are not for endorsement of any specific product, but to provide the actual method, mechanism, and application for the use of technology in graduate nursing education.

WHY STUDY RESEARCH ?

"The expansion of knowledge about the science of nursing is key to providing better patient care, improving health, and evaluating outcomes." (IOM, 2010, p. 198).

PROFESSIONAL NURSING STANDARDS

Standard	Outcomes
The Essentials of Master's Education in Nursing (2011)	Essential IV: Translating and Integrating Scholarship into Practice
NLN Nurse Educator Competencies (2007)	Competency 7: Engage in Scholarship
Association of Nurse Executive Competencies (2015)	G: Academic Relationships

RESEARCH CORE CONTENT
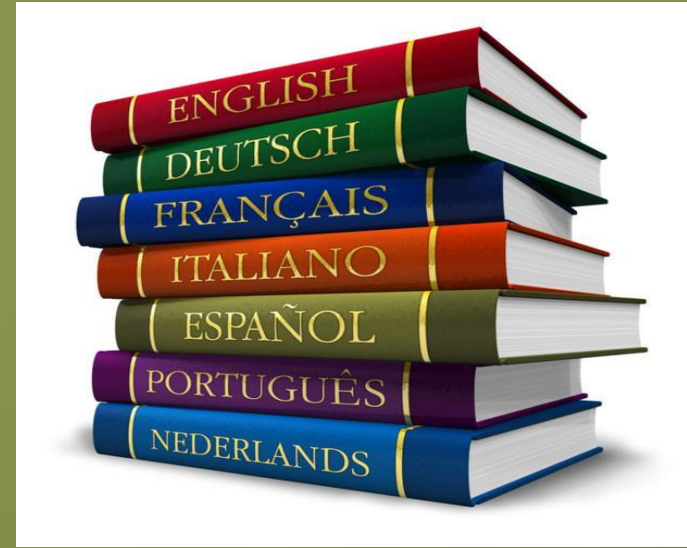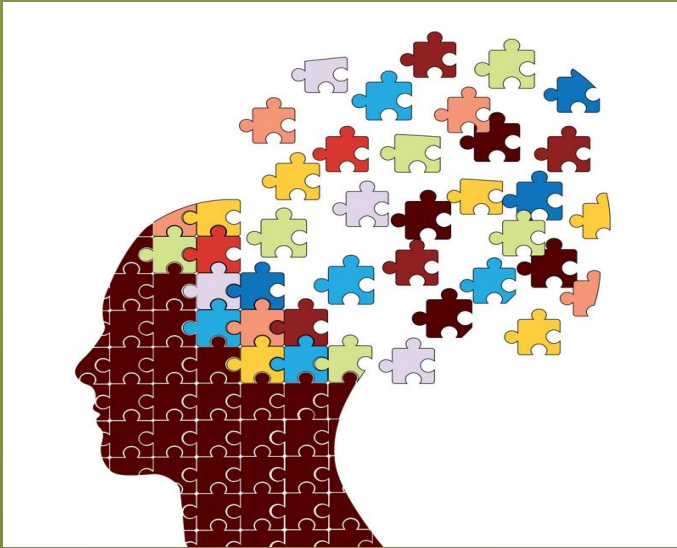
Research methods and designs

Statistics, application to healthcare research

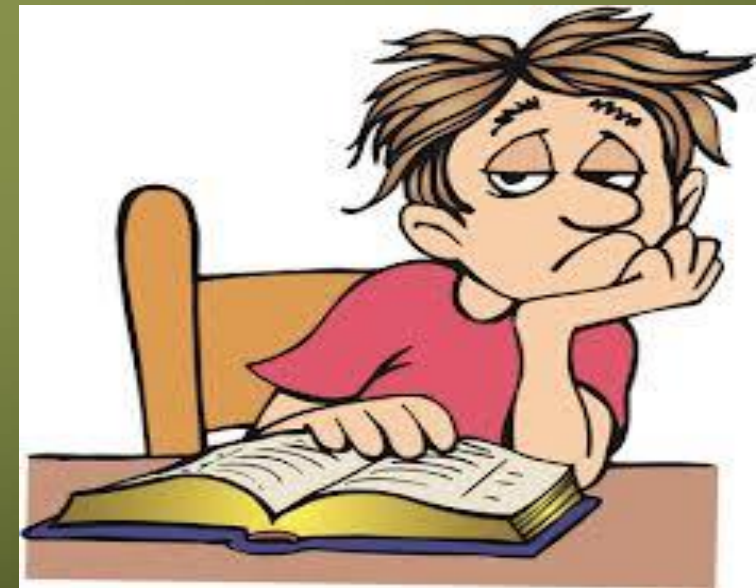Components of a research study

Assess and critique evidence

Translate research evidence into practice

Ethics in research

TRADITIONAL METHODS

- Text, scholarly articles
- Lecture
- Discussions
- Study critiques
- Examinations

EVIDENCE: TEACHING STRATEGIES

- Crossword puzzles, word games, scavenger hunt (Phillips, 2014)

- Critical appraisal tools, EBP models (Krainovich-Miller et al, 2009)

- Fieldwork and hands-on approach (Birks, 2013)

- Application of process to clinical problems (Hamilton, 2010)

- Traditional vs. creative: Results (Liou, Cheng, Tsai, & Chang, 2013)
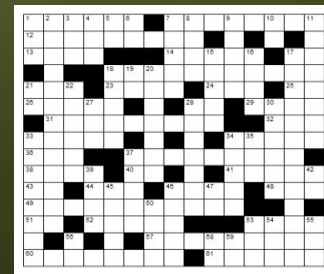
NURS 501: QUANTITATIVE METHODS AND STATISTICS

- SPSS exercises: Weekly, aggregated level

- Electronic quizzes
  - Tutorials: Group or individual

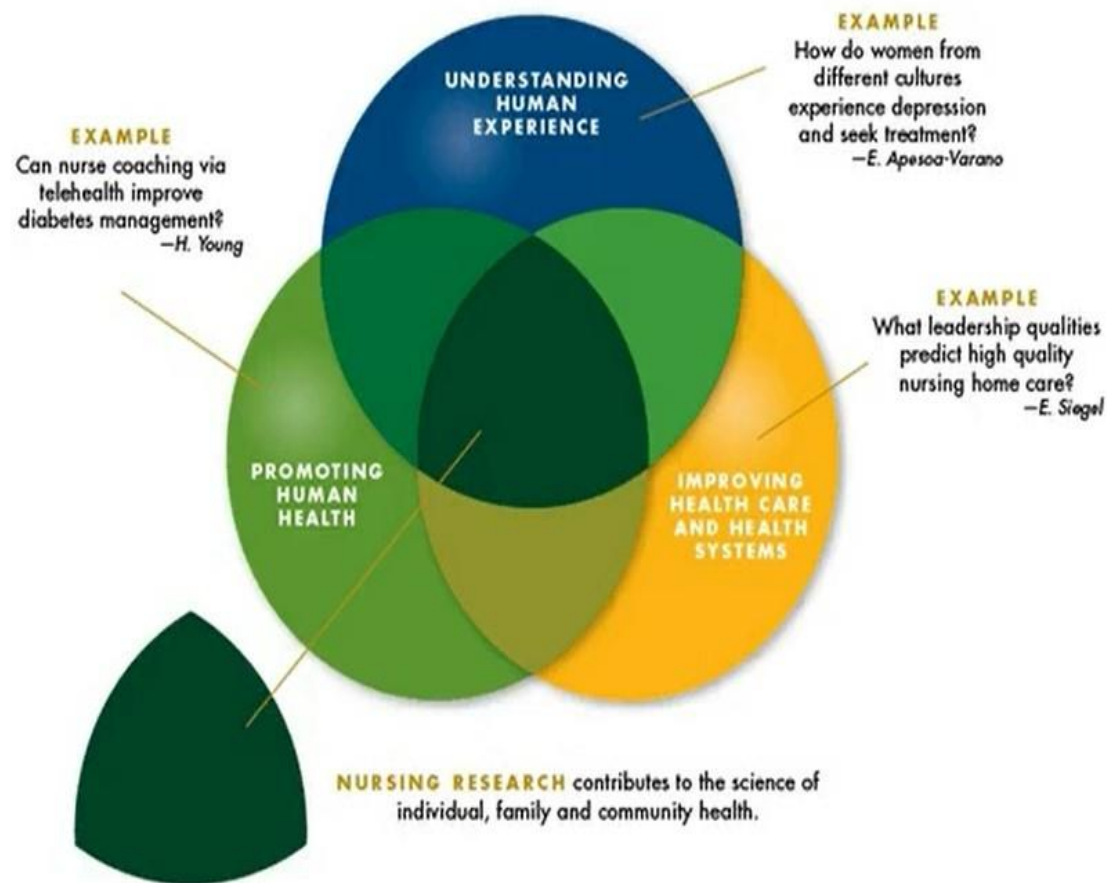- DQ, divided into four parts

- VoiceThread presentations

SCREENCASTING

- Captures all or part of the screen

- Optional audio and visual

- Creates videos

- Free, easy to use and disseminate

- Multiple tools available

NURSING SCIENCE RESEARCH

UNDERSTANDING HUMAN EXPERIENCE

EXAMPLE
How do women from different cultures experience depression and seek treatment?
—E. Apesoa-Varano

EXAMPLE
Can nurse coaching via telehealth improve diabetes management?
—H. Young

EXAMPLE
What leadership qualities predict high quality nursing home care?
—E. Siegel

PROMOTING HUMAN HEALTH

IMPROVING HEALTH CARE AND HEALTH SYSTEMS

NURSING RESEARCH contributes to the science of individual, family and community health.

People

Participants

Course Home: NURS 502: Advanced Nursing Research

Welcome to NURS-502! This course will guide you to understanding the importance and influence of science, theory, and research advanced professional nursing practice. It is the second course in the research series, following NURS 501: Quantitative Methods a Statistics. The focus here is on qualitative research studies, methods, and designs, and applications of both quantitative and qualitati studies in clinical practice. This course addresses the fundamental importance of evidence based practice in nursing and healthcare. Duri

VOICETHREAD

- Collaborative, multimedia slide show that holds images, documents, videos

- Platform-agnostic, accessible, free

- Five ways to communicate:
  - Voice: mic or phone
  - Text
  - Audio file
  - Video
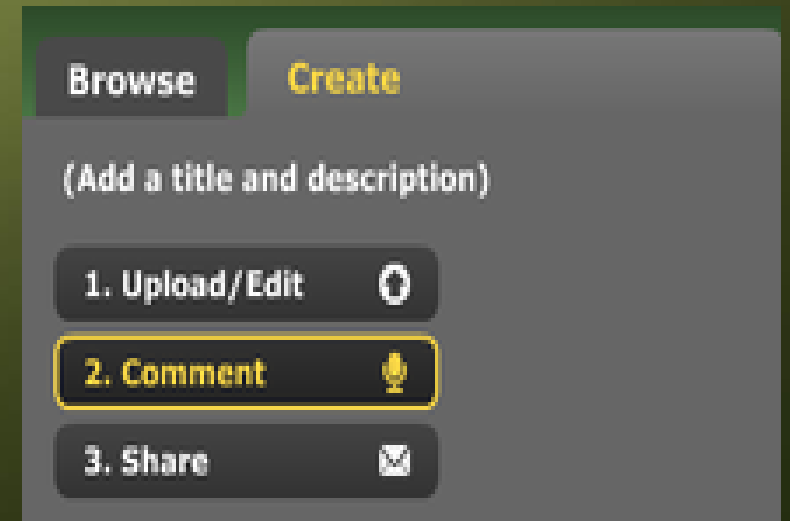
Ground Theory:
Data Collection and Analysis

Living on the edge of asthma: A grounded theory exploration

⬦ **Data Collection Process**

Theoretical sampling

- Guided interviews were digitally reordered

- Interviews were guided from questions formulated after weekly meetings

- Meetings held to develop categories of focus areas

- Once there seems to be no new focus areas presenting in the interviews, the most prominent areas were then refined

- New theory emerged

NURS 502:
ADVANCED NURSING RESEARCH

- VoiceThread: Qualitative methods analysis

- Knovio: Qualitative fieldwork

- Zoom: Research proposal planning and presentation

- Poster: Proposal presentation

ZOOM VIDEOCONFERENCE

- Bridges distance, synchronous conferencing

- Accommodates large audience

- Audio/video screen sharing and annotation

- Live presentations

- Multi-disciplinary attendance, across campus

Social Media and Nursing Communication: Facebook Friend or Foe?

MSN Student SUNY Delhi

Background

- Social media is a very important aspect of today's society
- It's a basic form of communication.
- Social media use will continue to increase in all professions, including nursing.
- Many adults use Facebook daily, thus it could be a very useful tool to facilitate communication among professionals.

Purpose

- How effective is Facebook as a method to facilitate hospital unit communication.
- Provide insight into the staff's perceptions of the usage and value of a unit Facebook page for both formal and informal communication.
- Discover staff preferences for alternative forums for effective communication.

Methods & Analysis

- Medical-surgical unit
- Rural hospital
- Staff of 80 nurses and patient care technicians.
- Convenience sampling
- Data will be collected via survey responses
- Likert scale
- (SPSS) Software for correlational and descriptive statistics to analyze the data.

TAKE SURVEY
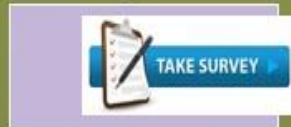
- Survey administered via email and Facebook using survey monkey

Literature Review

- **Education studies:** A forum for presenting case studies called FreeFrom is used by 76 nurses. 34 of the 76 members followed the page and interacted in the discussion. (Witherspoon, Braulin, & Kumar, 2016)

- **Professional use:** A study found that most nurses use their personal page for professional purposes. (Levati, 2014)

- **Other media:** Twitter was found to be preferred by 60% in a study (Power, 2015)

- **Gap:** No studies found on Facebook for nursing unit communication

facebook

click here to join our
facebook group

Limitations

- Size of sample
- Technology and staff perceptions and use
- Not everyone is computer savvy!!

How do you communicate??

Facebook Group PROS and CONS

Theoretical Framework

Rogers Theory of Unitary Human Beings
- Promotes well being
- Evolving theory (Fawcett, 2015)
- Union between human and the environment (Nursing Theory, 2016)
- Social media integrates the persons media environment with nursing care
- Communication promotes staff satisfaction that in turn will promote excellent nursing care

Conclusion

- Communication is vital to an efficient patient care unit
- Fosters both staff satisfaction and ultimately, patient satisfaction.
- This research can create an improved social media environment and foster improved communication
- It may be an example for other nursing units seeking to incorporate social media as part of their unit's communication.

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POSITIVE OUTCOMES

Student feedback

- Field work

- Aggregated approach

- Individual coaching sessions

- Enjoy interactions and assignments, guided by technology

CONCLUSIONS

- Multiple strategies improves student engagement and interest

- Aggregating content builds understanding and application

- Technology increases interactivity and skills acquisition

- Active learning improves self-confidence and content comfort

- Successful outcomes may develop into future research activities

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Thank You