

Course Introduction: GSND 5340Q

High Throughput Biomedical Data Analysis (BMDA)

W. Evan Johnson, Ph.D.
Professor, Division of Infectious Disease
Director, Center for Data Science
Rutgers University – New Jersey Medical School
w.evan.johnson@rutgers.edu

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Introductions!

A Post-COVID Perspective



A Post-COVID Perspective





2024
**STUDENT
DATA SCIENCE
CONFERENCE**

21 - 24 MAY
SOUTHERN UTAH
UNIVERSITY

CO-SPONSORED BY
**RUTGERS
HEALTH**

The Rutgers Center
for Data Science,
Southern Utah
University, and Red
Rock Data Science.

REGISTRATION:
DETAILS COMING SOON

POSTER SESSION


DATA SCIENCE WORKSHOP


NETWORKING


Goals of the Red Rock Data Science Student Conference

- 1. Student-focused (graduate and undergraduate) conference in Data Science:** a venue for students to present their own research and learn about the scholarly work of others.
- 2. Network with Data Science students at other universities:** The conference will provide workshops, poster sessions, oral presentations, and outdoor excursions for this purpose.
- 3. Connect students with companies and recruiters who are actively hiring graduates with Data Science related degrees.**

Go to: <https://www.redrockdatascience.com>

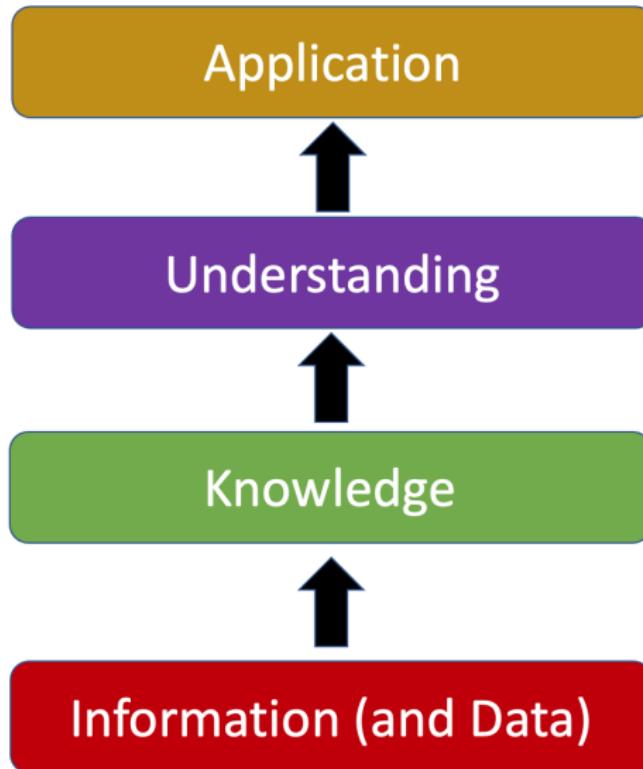


Go to <https://www.redrockdatascience.com>

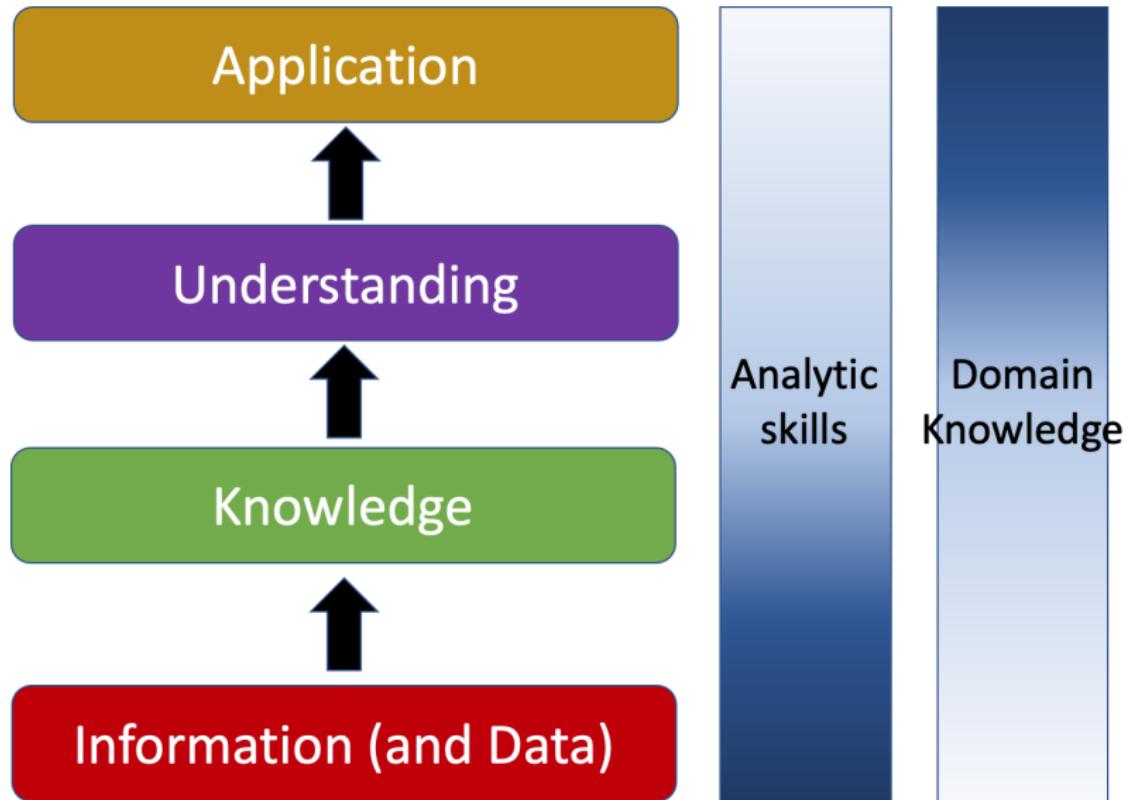
Things you should know about this course

- Please fill out the following survey:
<https://forms.gle/XSPjJjMsUa9EWXo2A>
- Zoom:
 - Click here for the Zoom link
- GitHub:
 - https://github.com/wevanjohnson/2024_Spring_BDMA
- Link to Syllabus
- Lots of diverse material
 - Not a spectator sport!
- Learning to program in R is a requirement of this course.

Analytics Hierarchy



Analytics Hierarchy



Session info

```
sessionInfo()
```

```
## R version 4.3.2 (2023-10-31)
## Platform: aarch64-apple-darwin20 (64-bit)
## Running under: macOS Sonoma 14.2.1
##
## Matrix products: default
## BLAS:    /Library/Frameworks/R.framework/Versions/4.3-arm64/Resources/lib/libRblas.0.dylib
## LAPACK:  /Library/Frameworks/R.framework/Versions/4.3-arm64/Resources/lib/libRlapack.dylib;  LAPACK version 3
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## time zone: America/Denver
## tzcode source: internal
##
## attached base packages:
## [1] stats      graphics   grDevices utils      datasets   methods    base
##
## loaded via a namespace (and not attached):
## [1] compiler_4.3.2    fastmap_1.1.1    cli_3.6.2       tools_4.3.2
## [5] htmltools_0.5.8   rstudioapi_0.16.0 yaml_2.3.8     rmarkdown_2.26
## [9] knitr_1.45       xfun_0.43       digest_0.6.35   rlang_1.1.3
## [13] evaluate_0.23
```