

Your Course Fall 2018 or Other Semester _____

Class Days MW Class Times 5-6:15pm

WHO AM I?

Instructor:

Bob Fischer ; **Bob_Fischer@byu.edu** **343A MCKB** , **801-422-1234**
Office Hours – **MWF 1-2pm**

WHERE ARE WE GOING?

Course Purpose:

By the end of this course, you will have a greater capacity to benefit the lives of others by producing valid arguments and evaluating the validity of others' arguments using quantitative analysis

HOW WILL WE KNOW WHEN WE GET THERE?

By the end of the semester you will be able to demonstrate your ability to do the following holistically:

1. Select appropriate statistical methods that answer basic research problems
2. Perform analyses using statistical programs
3. Interpret and report statistical results in APA format
4. Explain the inner workings of the analysis using fundamental statistical concepts
5. Evaluate the credibility of statistical methods in journal article abstracts

Circle all that apply

This culminating assessment will include: (1) Project (2) Paper (3) Exam (4) Performance/Presentation (5) Reflection (6) Survey

Note – these abilities are the Expected Learning Outcomes of the course

HOW WILL WE KNOW WE ARE ON THE RIGHT TRACK?

Along the way we will check your progress through the following assessments:

| Abilities or Outcomes | Assessment Type (Project, Exam, Paper, Reflection, Presentation) |
|--|--|
| Select, preform analysis, and interpret results for 8 stat. methods | Exam |
| Select, preform analysis, and interpret results for 18 stat. methods | Exam |
| Evaluate the credibility of stat methods in journal articles | Exam |
| Write and present a statistical report on chosen research question | Paper, Presentation |

HOW WILL WE GET THERE?

Here is a typical two-day schedule

| Expected Learning Outcome(s) or Abilities | Before Class Preparation | During Class Activities | After Class Reinforcement |
|---|---|---|---|
| Select, preform analysis, and interpret results for 3 stat. methods <ul style="list-style-type: none"> • Single sample t-test • Two sample t-test • Matched paired t-test | Day 1 - Read Broch chapter 3 on method selection (pp. 62-66) Read Johnson Chapter 2 on run analysis & interpret results (pp. 32-37) | In Class Quiz Activities <ul style="list-style-type: none"> • practice deciding between the three methods • Practice run & interpret | Homework assignment that reinforces in-class practice. |
| | Day 2 - Read Johnson Chapter 2 on running analysis & interpreting results (pp. 38-43) | In Class Quiz Activities <ul style="list-style-type: none"> • practice deciding between the three methods • Practice run & interpret | Homework assignment that reinforces in-class practice. |

Schedule Template

| Week | Outcome(s) | Before Class Preparation | During Class Activities | After Class Reinforcement |
|------|---|--------------------------|-------------------------|---------------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | Describe First Progress Check: Select, preform analysis, and interpret results for 8 stat. methods | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | Describe Next Progress Check: Select, preform analysis, and interpret results for 18 stat. methods | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | Describe Next Progress Check: Evaluate the credibility of stat methods in journal articles | | | |
| 15 | | | | |
| 16 | | | | |
| | Describe Final Assessment: Write and present a statistical report on a chosen research question | | | |

Other elements of the Syllabus

- Attendance Policy
- Grading Policy
- Grading Scale
- Materials
- Policies
- Prerequisites
- Teaching Philosophy
- Etcetera

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Class Days _____ Class Times _____

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Instructor:

_____ ; _____ , _____ , _____

Office Hours – _____

WHERE WE ARE GOING?

Course Purpose:

HOW WE WILL KNOW WHEN WE GET THERE?

By the end of the semester **you will be able to** demonstrate your ability to do the following holistically:

1. _____
2. _____
3. _____
4. _____
5. _____

Circle all that apply

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|------|---------------------------------|--------------------------|-------------------------|---------------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | Describe First Progress Check: | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | Describe Next Progress Check | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | Describe Next Progress Check | | | |
| 15 | | | | |
| 16 | | | | |
| | Describe Culminating Assessment | | | |

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