Effective collaboration: in person

Dr. Derr videos, POWER process, consultation role-playing, analogies

DKNOW How to communicate with clients

a) how to present the results to dients

graphical method.

O consulting role-playing gives of us some real experiences.

- (1) ethics for consultant
- 5 Pata Confidentiality
- 6 meeting structure (POWER process)
- @ analogies helpful for explaining concepts to non-statisticians
- @ How to close a conversation politely
- (9) Ask questions What does the client want to know
- 1. How to open a conversation

appropriately.

Effective collaboration: in person

Dr. Derr videos, POWER process, consultation role-playing, analogies

how to start meeting and set up connection.

avoid statiscal terms. body language.

Communication skills set expectations.

Use plots to show the result visually

- confirm you understood correctly

- Open body language and eye contact

- small talk to make them consofule

- respect (\$ csk for) their expertise
- report & ask for continued the you inderstood
- Sit lat the same side, no barieer between client le consultant
- having conflict: being flexible.
- mading drawing conclusion for come client, using graph instead of numbers.
- point out what the consultant can do and can not do.

 and make sure they are on the same page.
- Always give response
- Giving time-line, having agenda.

Effective collaboration: writing

Classes on improving writing, tables, and graphics, also assignments and classes on writing a

flow rounding numbers in tables can somprobe readability. Go through the writing process: brownstorm (plan), draft, revise, edit.

Importance of developing habits w/ code writing (more useful as statistician, not consultant)

Learnt about powerful & packages: gaplot2, lattice...

it's importent to line up other parts with your goods.

Spacing, Indentation, Convention, comment, naming (of Variables) Table:

Effective collaboration: writing

Classes on improving writing, tables, and graphics, also assignments and classes on writing a proposal and report

Be Specific, Clear, Concide don't assume readers are native english speakers Graphies - int to information ratio Active Voice in writing whenever possible.

- lagreg/voice/void closec issues like hedging passive love,
 - clear, purposted graphics that plante a piece of the loger pieve of you and, sis
- Grammer / Linking words better lines /old and new information.
- Use pie cheat and bour plots carefully.
- box plot: how to simplify.
- Table Title/Sorto variables/akignment/rounding
- Different tables and graphs will leave different.

 opionions to the reader on # the same fact.

 The best way to write a proposal is

 to review after coursely writing & down ideas.

Using statistics to answer subject matter questions

case studies, including dogs with septic peritonitis, eagle wing flapping, Mpls storm damage, salt reduction, and surround sound, and guests from Travelers and Syngenta

- 1) Background of study
- 2 Ask client what question they want to ask
- 3 Interpret the results in general way (make the interpretation & easily understood)

Human/Animal Research

- · informed consent of subjects.
- · reasonable ratio of tenefit to risk
- equitable selection procedures and treatment.

statistical significance vs

practical significance

practical significance

Interpretation of P value

Prepare to spend majority of time cleaning Data Use simple methods when passible

Using statistics to answer subject matter questions

case studies, including dogs with septic peritonitis, eagle wing flapping, Mpls storm damage, salt reduction, and surround sound, and guests from Travelers and Syngenta

- define research question early and very clearly

- prevent mis understanding 8/be on the same page

- shoose results to present carefully & clearly

- beep things simple if possible

- 20,80 rules in Mpls storm damage.

- 91m. poisson in eagle wing flapping.

- Choose simplest stat. method that works.

Responsible collaboration

General ethics, research ethics, human/animal research, plagiarism, authorship, intellectual property, conflicts of interest, openness and confidentiality, ethical decision-making.

Dr. Marty Brown 's research. > ethical decision-menting.

Interlectued property & copyright, trademark, patent confidentiality & disclosure of deta.

Research ethics - honest

plagiarisme boiler.

statistical consuntant are still responsible for ethical issues involved in the study, even when it doesn't directly involve your state work.

Be honest about the result

Responsible collaboration

General ethics, research ethics, human/animal research, plagiarism, authorship, intellectual property, conflicts of interest, openness and confidentiality, ethical decision-making.

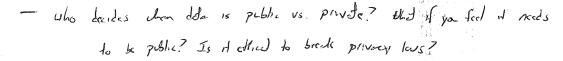
heneral ethics

Six Confueian virtues

- benevolence
- righteousness
- titual propriety
 wiselom
- trustworthiness
- filial piety

- hogresty.





Employers can our of you intokated property. Reed you contract