

The Analysis of Biological Data - Whitlock and Schluter

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Chapter 1

10. (a) Discrete (b) Continuous (c) Continuous (d) Discrete (e) Continuous
11. Observational study. The researcher has no control over which women have miscarriages and which lose their fetus from other causes.
12. (a) numerical, discrete (the variable, if not the partners)
(b) numerical, continuous
(c) categorical, ordinal
(d) numerical, continuous
(e) categorical, ordinal
(f) numerical, continuous
(g) categorical, nominal
(h) numerical, discrete
(i) categorical, nominal
(j) numerical, continuous
13. (a) Observational study: the individual fish were not assigned to subspecies by the researcher.
(b) Subspecies of fish and wavelength of maximum sensitivity.
(c) The explanatory variable is the subspecies, the response variable is the wavelength of maximum retina sensitivity.
14. (a) No. The 500 households selected to receive the survey might be a random sample, but the low completion rate (< 20%) makes the sample a volunteer sample.
(b) Volunteer bias Those who volunteer to respond to a survey on recycling might have different opinions of the program than those who did not respond.
15. (a) Omitting cell phones could bias a sample. If younger individuals are more likely to use a cell phone, omitting cell phones would bias the sample towards older individuals. (b) Equal chance of being selected.
16. (a) The population of interest is coastal Californian population of piñon pine trees.
(b) A single plot was randomly sampled, but trees were not randomly sampled. The multiple trees within the same plot might not be independent, if they are related, of similar age, or share the same environment.
17. The 60 samples are not a random sample. The 6 dives measured on each bird are not independent. The six dive results measured from each bird are likely to be more similar than dive results obtained from six different birds sampled randomly from the population.

Analysis Of Biological Data Whitlock Assignment Problems

Marco Cascella



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web dieses buch präsentiert den ungeschminkten stand des wissens und nichtwissens zu den komplexen ursachen des klimawandels auf der basis von globalen datensätzen und modellsimulationen nicht erschrecken der anspruch

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6 1 3 wireline blow out preventor bop 6 1 4 pressure testing of bop 6 1 5 lubricators 6 1 6 injection sub 6 1 7 cutter valve 6 1 8 workover valve 6 1 9 stuffing box 6 1 10 hydraulic packing nut 7 wireline unit 7 1 hay pulley and weight indicator 7 2 hay pulley 7 3 weight indicator 7 3 1 introduction 7 4 counter head

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b pressure test procedures when you pressure test the bop system you must conduct a low pressure test and a high pressure test for each bop component excluding test rams and non sealing shear rams you must begin each test by conducting the low

pressure test then transition to the high pressure test

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there are two elements to the pre job well site pressure test 1 wireline valve wlv pressure function test the tests should be performed on the test stump prior to rigging up and involves testing the pressure integrity of the wlv and the individual closed ram assemblies and the ram assembly functionality under pressure

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the purpose of bop stack function and pressure testing is to verify the hydraulic integrity of all the components of the bop stack at their rated working pressure in this article we will discuss the function test and pressure test procedure using cup tester

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all elmar wireline pressure control equipment is certified to be manufactured following api6a specifications to inhibitors for the pressure test the pressure test procedure for each assembly is stated on each assembly drawing equipment is stripped down rebuilt with new elastomers including bop ram outer seals and quick

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aug 12 2015 section 6 2 3 2 2 a advises what the minimum nominal i d for choke lines by pressure rating only for pressure rated systems 10k and above is a 3 in nominal i d choke line required for 4 inch and 7 inch through bore bop equipment no 4 inch up to but not including 7 1 16 inch bore equipment is not addressed in api 53 or api 16a 53

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pressure all bop equipment tests must include a low pressure test of 250 psi before proceeding to the full pressure test test pressure held and recorded for a minimum of five minutes after full pressure has been established represents a satisfactory pressure test ensure rotary bushings are locked if left in place where h2s is present all

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7 31 body pressure test procedure 1 locate the test plug and test cap on to their appropriate ends 2 bleed off all air within the assembly 3 ensure all external surfaces are dry 4 pressure test to test pressure for 3 minutes 5 reduce pressure to zero and repeat test for 15 minutes minimum no leakage acceptable 7 32 bop manifold test

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feb 14 2011 1 prior to supping the well or the first time that bop is installed on the well 2 after repairing or disconnecting of any pressure sealing elements of bop 3 as per mms you can use bop for 21 days 3 weeks before you need to test it

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apr 17 2023 bop test plan bop testing consists of several pressure tests with different valve line ups in order to test all the components of the bop system careful planning is required to ensure all components are tested and in a minimum number of pressure tests in order to ensure efficient execution of drilling operations

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wireline bop pressure testing procedure rogi form 1 4 date of issue 03 02 2016 april 28th 2018 where required to follow the reporting procedure by regulation 4 during testing immediately prior to for bop stacks indicate the design pressure rating list of abbreviations in oil and gas exploration and

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dec 27 2021 bop testing procedures operators must periodically pressure test and function test bop stack components which decreases efficiency of drilling operations bop pressure tests are performed at regular intervals typically ranging from 14 to 30 days as set by local regulatory bodies

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a wireline bop must always be installed between the wellhead and wireline lubricators this bop is a piece of pressure control equipment that can close around the wire and seal off the well pressure below it this enables the pressure to be bleed off above it allowing work or repairs to be carried out on equipment above the bop without pulling

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jun 23 2021 the wireline intervention pressure control wipc system enables the wireline crew to focus on downhole

operations without worrying about surface well integrity the system meets api spec 16b and nace mr0175 simplifying compliance with operator requirements

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this unit is a pressure test system intended for pressure testing 5 000 10 000 and 15 000 psi rated pressure control equipment to maximum working pressure before performing intervention work the unit is intended for use in atex zone 1 hazardous environments and complies to norsok regulations

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the scope of irp 13 is to define recommended practices for the selection implementation and maintenance of pressure control equipment for land based wireline operations in canada this includes all types of wireline i e slickline braided line and coated line