

Discrimination Weights

User's Instructions



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Description

This set of weights consists of two series composing a total of 24 weights. The light series ranges from 75 to 125 grams in 5-gram intervals with two weights each weighing 100 grams. The heavy series ranges from 175-225 grams in 5-gram intervals with two weights each weighing 200 grams. These cartridge type weights have identical color, size and texture and are code marked on the bottom. All cartridges are unbreakable vinyl with metal sure-sealing tops designed for rugged and frequent use in any laboratory.

Sample Experiment

Purpose

To illustrate the method of constant stimuli in the discrimination of absolute weights. One of the merits of this procedure is that the Subject (S) has difficulty in anticipating the value of coming stimulus and also finds habituation unrewarding.

Procedure

The experimenter (E) and Subject (S) will sit facing one another, while the E proceeds in the following manner:

1. Give the standard (St) stimuli (100 or 200 grams) for approximately 5 seconds.
2. Wait approximately 5 seconds.
3. Present the variable (V) stimuli for approximately 5 seconds.
4. Instruct S to judge V as larger than St (+) or smaller than St (-).
5. Record S's response.

Repeat this procedure using the following orders of presentation:

Orders	Variables										
1	105	75	90	115	110	95	100	120	85	125	80
2	85	110	100	80	75	105	115	95	125	90	120
3	125	80	110	100	90	120	115	75	85	105	95
4	110	100	120	95	125	85	80	115	75	105	90
5	120	95	85	105	115	90	125	75	80	100	110

Similar random tables may be generated for the 175-225 gram series of weights. Each order should be administered at least twice for a total of 110 trials.

Results

Select a criterion of reliable discrimination such as 75%. In this case, a stimulus is at the lower threshold if judged "smaller than" the standard 75% of the time.

Convert your data to percentages. Plot the percentages for both response categories (+ and -) as a function of weight. Describe the curves. Estimate upper and lower difference thresholds from these curves. Compute the interval of uncertainty and the point of subjective equality.

References

Guliford, J.P. Psychometric Methods. New York: McGraw-Hill, 1954, Chapter VI.

Underwood, B.J. Experimental Psychology. New York: Appleton-Century-Crofts, 1949, pages 65-81.

Woodworth, R.S. & Schlosberg, H. Experimental Psychology. New York: Holt, Rinehart, and Winston Inc., 1954.

Notes

Write any user notes here for your convenience.

Terms and Conditions

LIC Worldwide Headquarters

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All orders need to be accompanied by a hard copy of your purchase order. All orders must include the following information:

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- Part Number
- Description
- Your purchase order number or method of pre-payment
- Your tax status (include tax-exempt numbers)
- Shipping address for this order
- Billing address for the invoice we'll mail when this order is shipped
- Signature and typed name of person authorized to order these products
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- Your FAX number

Domestic Terms

There is a \$50 minimum order. Open accounts can be extended to most recognized businesses. Net amount due 30 days from the date of shipment unless otherwise specified by us. Enclose payment with the order; charge with VISA, MasterCard, American Express, or pay COD. We must have a hard copy of your purchase order by mail, E-mail or fax. Students, individuals and private companies may call for a credit application.

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There is a \$50 minimum order. Payment must be made in advance by: draft drawn on a major US bank; wire transfers to our account; charge with VISA, MasterCard, American Express, or confirmed irrevocable letter of credit. Proforma invoices will be provided upon request.

Exports

If ordering instrumentation for use outside the USA, please specify the country of ultimate destination, as well as the power requirements (110V/60Hz or 220V/50Hz). Some model numbers for 220V/50Hz will have a "C" suffix.

Quotations

Quotations are supplied upon request. Written quotations will include the price of goods, cost of shipping and handling, if requested, and estimated delivery time frame. Quotations are good for 30 days, unless otherwise noted. Following that time, prices are subject to change and will be re-quoted at your request.

Cancellations

Orders for custom products, custom assemblies or instruments built to customer specifications will be subject to a cancellation penalty of 100%. Payment for up to 100% of the invoice value of custom products may be required in advance. Cancellation for a standard Lafayette Instrument manufactured product once the product has been shipped will normally be assessed a charge of 25% of the invoice value, plus shipping charges. Resell items, like custom products, will be subject to a cancellation penalty of 100%.

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Please see the cancellation penalty as described above. No item may be returned without prior authorization of Lafayette Instrument Company and a Return Goods Authorization (RGA#) number which must be affixed to the shipping label of the returned goods. The merchandise should be packed well, insured for the full value and returned along with a cover letter explaining the reason for return. Unopened merchandise may be returned prepaid within thirty (30) days after receipt of the item and in the original shipping carton. Collect shipments will not be accepted. Product must be returned in saleable condition, and credit is subject to inspection of the merchandise.

Repairs

Instrumentation may not be returned without first receiving a Return Goods Authorization Number (RGA). When returning instrumentation for service,

please call Lafayette Instrument to receive a RGA number. Your RGA number will be good for 30 days. Address the shipment to:

Lafayette Instrument Company

3700 Sagamore Parkway North

Lafayette, IN 47904, USA.

Shipments cannot be received at the PO Box. The items should be packed well, insured for full value, and returned along with a cover letter explaining the malfunction. An estimate of repair will be given prior to completion ONLY if requested in your enclosed cover letter. We must have a hard copy of your purchase order by mail or fax, or repair work cannot commence for non-warranty repairs.

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Damaged instrumentation should not be returned to Lafayette Instrument prior to a thorough inspection. If a shipment arrives damaged, note damage on delivery bill and have the driver sign it to acknowledge the damage. Contact the delivery service, and they will file an insurance claim. If damage is not detected at the time of delivery, contact the carrier/shipper and request an inspection within 10 days of the original delivery. Please call the Lafayette Instrument Customer Service Department for repair or replacement of the damaged merchandise.

Limited Warranty

Lafayette Instrument Company warrants equipment manufactured by the company to be free of defects in material and workmanship for a period of one year from the date of shipment, except as provided hereinafter. The original manufacturer's warranty will be honored by Lafayette Instrument for items not manufactured by Lafayette Instrument Company, i.e. resell items. This assumes normal usage under commonly accepted operating parameters and excludes consumable products.

Warranty period for repairs or used instrumentation purchased from Lafayette Instrument is 90 days. Lafayette Instrument Company agrees either to repair or replace, at its sole option and free of part charges to the customer, instrumentation which, under proper and normal conditions of use, proves to be defective within the warranty period. Warranty for any parts of such repaired or replaced instrumentation shall be covered under the same limited warranty and shall have a warranty period of 90 days from the date of shipment or the remainder of the original warranty period whichever is greater. This warranty and remedy are given expressly and in lieu of all other warranties, expressed or implied, of merchantability or fitness for a particular purpose and constitutes the only warranty made by Lafayette Instrument Company.

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Limited Obligations Covered by this Warranty

1. In the case of instruments not of Lafayette Instrument Company manufacture, the original manufacturer's warranty applies.
2. Shipping charges under warranty are covered only in one direction. The customer is responsible for shipping charges to the factory if return of the part is required.
3. This warranty does not cover damage to components due to improper installation by the customer.
4. Consumable and/or expendable items, including but not limited to electrodes, lights, batteries, fuses, O-rings, gaskets, and tubing, are excluded from warranty.
7. Failure by the customer to perform normal and reasonable maintenance on instruments will void warranty claims.
8. If the original invoice for the instrument is issued to a company that is not the company of the end user, and not an authorized Lafayette Instrument Company distributor, then all requests for warranty must be processed through the company that sold the product to the end user, and not directly to Lafayette Instrument Company.

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