Copy/paste of various instructions given in the rock dimension-rating experiments

Darkness/Lightness

sent1='In this block of trials, you will rate each rock on its ';

sent2=' darkness/lightness of color.';

sent3='The darkest rocks should receive a rating of 1 or 2.';

sent4='The lightest rocks should receive a rating of 8 or 9.';

sent5='Rocks that are medium in darkness/lightness ';

sent6=' should receive medium ratings.';

sent7='An example of a very dark rock, a rock that is medium in';

sent8=' darkness/lightness, and a very light rock is shown below.';

sent9='In some cases, parts of a rock may be light and other parts';

sent10=' may be dark. ';

sent11='In those cases, do your best to rate the ''average'' lightness';

sent12=' of the entire rock.';

sent13='Please try to use the full scale from 1 (darkest) through';

sent14=' 9 (lightest) in making your ratings.';

Fine-grain/Coarse-grain

sent1='In this block of trials, you will rate each rock on its ';

sent2=' average grain size.';

sent3='Rocks with no visible grain should receive a rating of 1 or 2.';

sent4='Rocks with an extremely coarse and fragmented grain';

sent5=' should receive a rating of 8 or 9.';

sent6='Rocks with a medium grain should receive medium ratings.';

sent7='An example of a rock with no visible grain, with a medium grain,';

sent8=' and with a very coarse and fragmented grain is shown below.';

sent9='In some cases, parts of a rock may have a fine grain ';

sent10=' and other parts may have a coarse grain. ';

sent11='In those cases, do your best to rate the ''average'' grain size';

sent12=' of the entire rock.';

sent13='Please try to use the full scale from 1 (no visible grain) ';

sent14=' through 9 (very coarse grain) in making your ratings.';

Smoothness/Roughness

sent1='In this block of trials, you will rate each rock on how ';

sent2=' smooth versus rough it appears to be.';

sent3='Rocks that appear to be very smooth should receive a rating of 1 or 2.';

sent4='Rocks that appear to be very rough should receive a rating of 8 or 9';

sent5='Rocks that are medium in their smoothness/roughness';

sent6=' should receive medium ratings.';

sent7='An example of a rock that is very smooth, that is medium in';

sent8=' smoothness/roughness, and that is very rough is shown below.';

sent9='In some cases, parts of a rock may be be smooth ';

sent10=' and other parts may be rough. ';

sent11='In those cases, do your best to rate the ''average'' ';

sent12=' roughness of the entire rock.';

sent13='Please try to use the full scale from 1 (smoothest) ';

sent14=' through 9 (roughest) in making your ratings.';

Dull/Shiny

sent0a='An object is ''shiny'' if it reflects light and is glossy.';

sent0b='Note that dark-colored objects can be still be shiny.';

sent1='In this block of trials, you will rate each rock on how ';

sent2=' dull versus shiny it appears to be.';

sent3='Rocks that appear to be very dull ';

sent3b=' should receive a rating of 1 or 2.';

sent4='Rocks that appear to be very shiny and glossy';

sent4b=' should receive a rating of 8 or 9.';

sent5='Rocks that are medium in their dullness/shininess';

sent6=' should receive medium ratings.';

sent7='An example of a rock that is very dull, that is medium in';

sent8=' dullness/shininess, and that is very shiny is shown below.';

sent9='In some cases, parts of a rock may be be dull ';

sent10=' and other parts may be shiny. ';

sent11='In those cases, do your best to rate the ''average'' ';

sent12=' shininess of the entire rock.';

sent13='Please try to use the full scale from 1 (dullest) ';

sent14=' through 9 (shiniest) in making your ratings.';

Organization

sent1='Some rocks have components that are very regular and organized,';

sent2=' such as systematic layers, bands, or grains.';

sent3='Other rocks seem very disorganized, such as those with fragments';

sent4=' that are glued together in haphazard fashion.';

sent5='In this block of trials, you will rate each rock on how ';

sent6=' disorganized versus organized it appears to be.';

sent7='Rocks that are very disorganized should receive a rating of 1 or 2.';

sent8='Rocks that are very organized should receive a rating of 8 or 9';

sent9='Rocks that are medium in their organization, or that have';

sent10=' no visible texture to rate, should receive medium ratings.';

sent11='An example of a rock that is very disorganized, that is medium in';

sent12=' organization, and that is highly organized is shown below.';

sent13='Please try to use the full scale from 1 (most disorganized) ';

sent14=' through 9 (most organized) in making your ratings.';

Munsell-chip Color-Matching Experiment -- eventually used to scale chromaticity and red-green hue

sent1='In this block you will indicate the general color family';

sent2=' of each rock.';

sent3='On each trial, use the mouse to click on the color square';

sent4=' that best matches the rock''s color family.';

sent5 ='Many rocks are composed of multiple colors. In those cases, ';

sent6= ' do your best to choose the dominant overall color.';

sent7 ='No color square will be a perfect match to the rock''s color.';

sent8 ='Just indicate the best general family.';

sent9='As you will see, you will also be given the option to click ';

sent10=' black, gray, and white squares. ';

sent11='Click those squares only if the dominant color of the rock ';

sent12=' is completely absent of any hue. ';

sentlast='PRESS SPACE TO CONTINUE';

Supplementary Dimensions for Igneous Rocks

Porphyritic Structure

sent1='In this experiment you will be presented with a set of ';

sent2=' pictures of rocks.';

sent3='We are interested in your judgments about a very specific ';

sent4=' property of some of the rocks --';

sent5='Certain kinds of rocks contain small fragments or pebbles ';

sent6=' that are glued into a separate background texture.';

sent7='THESE SMALL FRAGMENTS OR PEBBLES ARE SEPARATE FROM THE ';

sent8=' REST OF THE ROCK''S BACKGROUND ITSELF. ';

sent9='We want you to rate each rock picture for this property.';

sent10='Rocks with no small fragments or pebbles glued into their ';

sent11=' separate background should receive a rating of 1 or 2.';

sent12='Rocks that definitely have small fragments or pebbles glued ';

sent13=' into their separate background should receive a rating of 8 or 9.';

sent14='Many rocks may be unclear cases; Some may have a';

sent15=' coarse grain throughout, but don''t really have separate';

sent16=' small fragments glued into them. Other rocks may also be hard to';

sent17=' judge because they have changes in shading that are not really';

sent18=' separate glued fragments. ';

sent19=' These unclear cases should receive ratings of 4, 5 or 6.';

sent20='An example of each of these cases is shown below.';

sent21='Please try to use the full scale from 1 through 9 ';

sent22=' in making your ratings.';

Pegmatitic Structure

sent2='In this experiment you will be presented with a set of pictures of rocks.';

sent3='Certain rocks have very large-sized crystals ';

sent4=' that are embedded in a SEPARATE background.';

sent4b='The crystals will often (but not always) appear as large shiny bands.';

sent5='Your job in this experiment is simply to judge the extent ';

sent6=' to which the rock shown in each picture has this property.';

sent7='Rocks that have nothing like this property should receive ratings of 1 or 2.';

sent8='Rocks that have a hint of this property should receive ratings of 4, 5 or 6.';

sent9='Rocks that strongly display this property should receive ratings of 8 or 9.';

sent10='Examples of these different cases are shown below.';

sent11='Please try to use the full scale from 1 through 9 in making your ratings.';

sent12='Note: Because this property is very rare, most of your responses will be 1 or 2.'

Conchoidal Fracture

sent2='In this experiment you will be presented with a set of pictures of rocks.';

sent3='We are interested in your judgments about a very specific property of some of the rocks.';

sent4='The property is called CONCHOIDAL FRACTURES.';

sent5='Conchoidal fractures are formed when pieces of a brittle rock chip off and leave behind';

sent6=' smooth, curved surfaces resembling the inside of a seashell. ';

sent7='Conchoidal fractures are typically found in glassy or fine-grained rocks.';

sent8='Look at the rock below. The indents in the bottom left and right portions of this rock';

sent9=' are clear-cut examples of conchoidal fractures.';

…continued

sent1='On each trial of this experiment you will be shown a rock picture.';

sent2='We want you to rate each rock picture for the extent to which it has conchoidal fractures.';

sent3='Rocks with flat or jagged surfaces, or rocks with no fractures should receive a rating of 1 or 2.';

sent4='Rocks with smooth, curved idents or fractures resembling the inside of a seashell';

sent5=' should receive a rating of 8 or 9.';

sent7='Many rocks may be unclear cases: ';

sent8='Some rocks may have fractures where pieces of the rock were chipped off, but they may not be';

sent9=' as smooth or curved as true conchoidal fractures.';

sent10='Other rocks may also be hard to judge because they have changes in shading or color';

sent12='These unclear cases should receive ratings of 4, 5 or 6.';

sent13='Ratings of 8 or 9 should be given only for rocks for which you are absolutely sure they have conchoidal fractures.';

sent14='Most rocks do not have conchoidal fractures and should receive low ratings.';

sent15='Please try to use the full scale from 1 through 9 in making your ratings.';

Red-Green

sent2='In this experiment you will be presented with a set of pictures of rocks.';

sent3='We would like you to rate each rock picture on a red-green contrast.';

sent4='Rocks that are most strongly red should receive ratings of 1 or 2';

sent5='Rocks that are most strongly green should receive ratings of 8 or 9';

sent6='Neutral rocks (black or white) that are absent of color should receive';

sent7=' ratings of 5.';

sent8='Examples are shown at the bottom of the screen.';

sent9='For the remaining rocks, just decide whether the main color tends to be closer';

sent10=' to red versus green.';

sent11='For example, most would agree that orange is closer to red than to green,';

sent12=' so you might give orange rocks ratings of 2, 3 or 4.';

sent13='Likewise, most would agree that blue is closer to green than to red,';

sent14=' so you might give blue rocks ratings of 6, 7, or 8.';

sent15='Please try to use the full scale from 1 to 9 in making your ratings.';