

Data description

An explanation of each of the variables contained in “*DIVES_choice_data.csv*” is provided in Table 1 below.

Table 1: Description of choice experiment specific data, of the attributes and attribute levels of the choice experiment as well as of the socioeconomic variables and their levels

VARIABLE (Column name)	EXPLANATION OF LEVELS
ID	Respondent's ID
choice_number	Indicates the choice number per respondent. Ranges from 1 to 12.
alt1_, alt2_, sq_hazardzone	Describes the hazard zone presented in each of the three alternatives. 1: White hazard zone 2: Blue hazard zone 3: Red hazard zone
alt1_, alt2_, sq_trafficinfra	Describes whether the forest management in the presented alternative also provides protection extended to traffic infrastructure. 1: Yes 2: No
alt1_, alt2_, sq_costing	Describes the costing method presented in the alternative. 1: Risk based 2: Lump sum
alt1_, alt2_, sq_contribution	Describes the contribution mode presented in the alternative. 1: Voluntary 2: Mandatory
alt1_, alt2_, sq_charge	Describes the charge levied in the specific alternative. CHF 0 CHF 100 CHF 300 CHF 500 CHF 700 CHF 900
experiment_is_understandable	Asks the respondent whether she/he agrees that the questions were formulated in an understandable way 1: Strongly disagree 2: Rather not agree 3: Partly/partly 4: Rather agree 5: Strongly agree 6: Do not know/ not specified
confidence_in_decisions	Asks the respondent whether she/he agrees that when making the decision she/he felt confident about it. 1: Strongly disagree 2: Rather not agree

	<p>3: Partly/partly 4: Rather agree 5: Strongly agree 6: Do not know/ not specified</p>
felt_pressured	<p>Asks the respondent whether she/he agrees that when making the decision she/he felt urged to give certain answers.</p> <p>1: Strongly disagree 2: Rather not agree 3: Partly/partly 4: Rather agree 5: Strongly agree 6: Do not know/ not specified</p>
realistic_choice_situations	<p>Asks the respondent whether she/he agrees that the choice situations were realistic.</p> <p>1: Strongly disagree 2: Rather not agree 3: Partly/partly 4: Rather agree 5: Strongly agree 6: Do not know/ not specified</p>
realistic_charge	<p>Asks the respondent whether she/he agrees that the charge was realistic.</p> <p>1: Strongly disagree 2: Rather not agree 3: Partly/partly 4: Rather agree 5: Strongly agree 6: Do not know/ not specified</p>
familiar_with_protection_function	<p>Asks the respondent to what extent the statement <i>"I am very familiar with the protective function of the forest in my municipality."</i> applies.</p> <p>1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies 5. Fully applies 6. Don't know/not specified</p>
consider_own_hazard_as_low	<p>Asks the respondent to what extent the statement <i>"My own exposure to avalanches and rock fall is low."</i> applies.</p> <p>1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies 5. Fully applies 6. Don't know/not specified</p>
forest_management_sufficient	<p>Asks the respondent to what extent the statement <i>"The current silvicultural measures for avalanche and rock fall protection in my municipality are sufficient."</i> applies.</p>

	<ol style="list-style-type: none"> 1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies 5. Fully applies 6. Don't know/not specified
cc_adversely_affects_forests	<p>Asks the respondent to what extent the statement "<i>Over the next 50 years, climate change will increasingly contribute to wind throw and pest infestation in forests.</i>" applies.</p> <ol style="list-style-type: none"> 1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies 5. Fully applies 6. Don't know/not specified
cc_reduces_nh_risk	<p>Asks the respondent to what extent the statement "<i>Over the next 50 years, climate change will lead to a sharp decline in avalanche and rock fall hazards.</i>" applies.</p> <ol style="list-style-type: none"> 1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies 5. Fully applies 6. Don't know/not specified
public_authorities_responsible	<p>Asks the respondent to what extent the statement "<i>Avalanche protection is the sole responsibility of the federal and cantonal authorities.</i>" applies.</p> <ol style="list-style-type: none"> 1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies 5. Fully applies 6. Don't know/not specified
cc_increases_nh_risk	<p>Asks the respondent to what extent the statement "<i>Climate change is aggravating the natural hazard situation.</i>" applies.</p> <ol style="list-style-type: none"> 1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies 5. Fully applies 6. Don't know/not specified
concerned_about_cc	<p>Asks the respondent to what extent the statement "<i>I am generally concerned about the effects of climate change.</i>" applies.</p> <ol style="list-style-type: none"> 1. Doesn't apply at all 2. Does rather not apply 3. Partly/partly 4. Rather applies

	<p>5. Fully applies</p> <p>6. Don't know/not specified</p>
risk_appetite	<p>Indicates respondent's willingness to take risk on a scale from 0 to 10.</p> <p>0: Absolutely no willingness to take risks</p> <p>10: Very high willingness to take risks</p>
gender	<p>Indicates respondent's gender.</p> <p>1: Male</p> <p>2: Female</p> <p>3: Other</p>
year_of_birth	<p>Respondent's year of birth YYYY</p>
income	<p>Indicates the total income of all members of respondent's household</p> <p>1: Less than CHF 2,000</p> <p>2: CHF 2,000 to below CHF 4,000</p> <p>3: CHF 4,000 to below CHF 6,000</p> <p>4: CHF 6,000 to below CHF 8,000</p> <p>5: CHF 8,000 to below CHF 10,000</p> <p>6: CHF 10,000 to below CHF 12,000</p> <p>7: CHF 12,000 to below CHF 14,000</p> <p>8: CHF 14,000 to below CHF 16,000</p> <p>9: CHF 16,000 to below CHF 18,000</p> <p>10: More than CHF 18,000</p>
building_type	<p>Indicates the type of building the respondent lives in</p> <p>1: Single- family house</p> <p>2: Multi- family house</p> <p>3: Other</p>
property_owner	<p>Indicates whether the respondent is a property owner.</p> <p>1: Owner</p> <p>2: Tenant</p>
main_residence	<p>Indicates the residence status of the respondent in the specific municipality.</p> <p>1: Main residence</p> <p>2: Secondary residence</p>
number_of_people_in_hh	<p>Indicates how many people are living in the respondent's household.</p>
number_of_children_in_hh	<p>Indicates how many children under 18 years are living in the respondent's household.</p> <p>1: 0</p> <p>2: 1</p> <p>3: 2</p> <p>4: 3 and more</p>
years_living_in_apartment	<p>Indicates the number of years the respondent has been living in her/his current apartment</p>
years_living_in_municipality	<p>Indicates the number of years the respondent has been living in the municipality</p>
hazard_zone	<p>Indicates the hazard zone the respondent actually lives in.</p> <p>1: Red hazard zone</p> <p>2: Blue hazard zone</p>

	<p>3: White hazard zone 4: I don't know</p>
education	<p>Indicates respondent's highest educational qualification.</p> <p>1: No graduation 2: Primary, secondary, secondary modern, or district school 3: Apprenticeship, vocational school or commercial school 4: A-levels, vocational school-leaving certificate, diploma from an intermediate diploma, or teacher seminar 5: Swiss federal vocational diploma, degree from a higher education institution, master craftsman's examination, or commercial college 6: University, ETH, or university of applied sciences</p>
club_member	<p>Indicates whether the respondent is member of any non-profit club or association.</p> <p>1: Yes 2: No</p>
lives_in_grisons	<p>Indicates whether the respondent lives in the Canton of Grisons.</p> <p>1: Yes 2: No</p>
lives_in_valais	<p>Indicates whether the respondent lives in the Canton of Valais</p> <p>1: Yes 2: No</p>
sys_StartTime	<p>Indicates the time the respondent started the survey.</p>
sys_EndTime	<p>Indicates the time the respondent ended the survey.</p>
sys_ElapsedTime	<p>Is the end time minus the start time</p>
sys_pagetime_x	<p>Amount of seconds a respondent spent on the particular page</p>
sys_LastQuestion	<p>Last question seen by the respondent</p>
sys_RespStatus	<p>Indicates respondent's status.</p> <p>2: Incomplete 4: Disqualified 5: Qualified/Complete</p>