

Expert Panel Elicitation of Choquet Integral Weightings

Please insert your scores below in the 'Expert score' column for each score scenario showing a different combination of scores across the different Criteria to be aggregated into each of the four Principles.

For example, if Criteria 1 (Provision and access to food) had a score of 70 but Criteria 2 (Provision and access to water) a score of 30, what do you think the aggregate single score of these should be which will become the score for the Principle 'Good Feeding'?

The simple mean of the scores would be 50 but you may feel that this does not adequately represent the overall welfare impact on the animal and should be lower (or higher) than 50.

Criteria

Feeding		Expert score
1 Food	2 Water	30
30	30	
70	30	
30	70	
70	70	

1. Provision and access to food. Animals should have appropriate access to the quantity and quality of appropriate foodstuffs for health and wellbeing.
2. Provision and access to water. Animals should have appropriate access to the quantity and quality of water for health and wellbeing.

Housing			Expert score
3 Comfort resting	4 Thermal comfort	5 Space	30
30	30	30	
30	30	70	
30	70	30	
70	30	30	
70	70	30	
70	30	70	
30	70	70	
70	70	70	

3. Animals should have comfort when resting.
4. Animals should have thermal comfort being neither too hot nor too cold.
5. Animals should have sufficient space to move freely.

Health			Expert score
6 Injuries/disorders	7 Disease	8 Pain	30
30	30	30	
30	30	70	
30	70	30	
70	30	30	
70	70	30	
70	30	70	
30	70	70	
70	70	70	

6. Animals should be free from injuries and disorders (e.g. skin conditions, lameness, bone fractures).
7. Animals should be free from disease, including metabolic conditions, with high standards of health care and hygiene.
8. Animals should not suffer pain - for example as a result of poor management, handling, surgical or other procedures, slaughter etc.

Behaviour				Expert score
9 Social	10 Normal	11 Human-Animal	12 Affective state	30
30	30	30	30	
30	30	30	70	
30	30	70	30	
30	70	30	30	
70	30	30	30	
30	70	70	30	
30	70	30	70	
30	30	70	70	
30	70	70	70	
70	70	30	30	
70	30	30	70	
70	70	70	70	
70	30	70	70	
70	30	70	30	
70	70	30	70	
70	70	70	70	

9. Animals should be able to express normal, non-harmful social behaviours (such as grooming and social bonding).
10. Animals should be able to express other normal behaviours (e.g. foraging, exploring).
11. Animals should be handled well with positive and not negative animal-human relationships.
12. Additional aspects not already adequately covered above in relation to the balance between positive and negative affective states for animals.

Now, please insert your scores below in the 'Expert score' column for each score scenario showing a different combination of scores across the four Principles.

For example, if Good Feeding had a score of 70 but Good Housing a score of 30, Good Health a score of 30 and Appropriate Behaviour a score of 30, what do you think the aggregate single score of these four scores should be?

The simple mean of the scores would be 40 but you may feel that this does not adequately represent the overall welfare impact on the animal and should be lower (or higher) than 40.

Principles

Feeding	Housing	Health	Behaviour	Expert score
30	30	30	30	30
30	30	30	70	
30	30	70	30	
30	70	30	30	
70	30	30	30	
30	30	70	70	
30	70	30	70	
70	30	30	70	
70	30	70	30	
30	70	70	30	
70	70	70	30	
70	70	30	70	
70	30	70	70	
30	70	70	70	
70	70	70	70	
70	70	70	70	70