

Pro-Con Analysis and Group Decision Making game

Q. What is “Pro-Con Analysis”?

A. One of individual or group decision making methods

Through “Pro-Con Analysis,” we ...

- create a list of “Pros” and that of “Cons” for alternatives;
 - Pros: favorable factors or reasons / advantages;
 - Cons: unfavorable factors or reasons / disadvantages;
- compare alternatives by using the “Pro-Con” lists;
- make the individual or group decision based on the comparison.

Let us try “Pro-Con Analysis Sheet”!

Step 1: Write your information

- Name and Student ID Number

Step 2: Write “Pros” and “Cons” for all alternatives

- Pros: favorable factors or reasons / advantages
- Cons: unfavorable factors or reasons / disadvantages;

Step 3: Expand your “Pro-Con” lists through discussion with others

Comparison of alternatives by using the “Pro-Con list”

For example:

- Put a weight on each of the all items (factors, reasons, advantages, and disadvantages) in the lists, and compare the totals of the weights of the Pros and Cons.
- Delete a pair of a pro and a con which cancel out each other.

Step 4: Write your preference order, permissible range, and ID on the card

There are 18 cards, with IDs, for all combinations of preference orders and permissible ranges, as follows:

a	a	a	a	a	a
b	b	b	c	c	c
c	c	c	b	b	b
ID: 1-0-1	ID: 1-0-2	ID: 1-0-3	ID: 1-1-1	ID: 1-1-2	ID: 1-1-3

Please find and take one card, from the table, which represent your preference order and permissible range correctly.

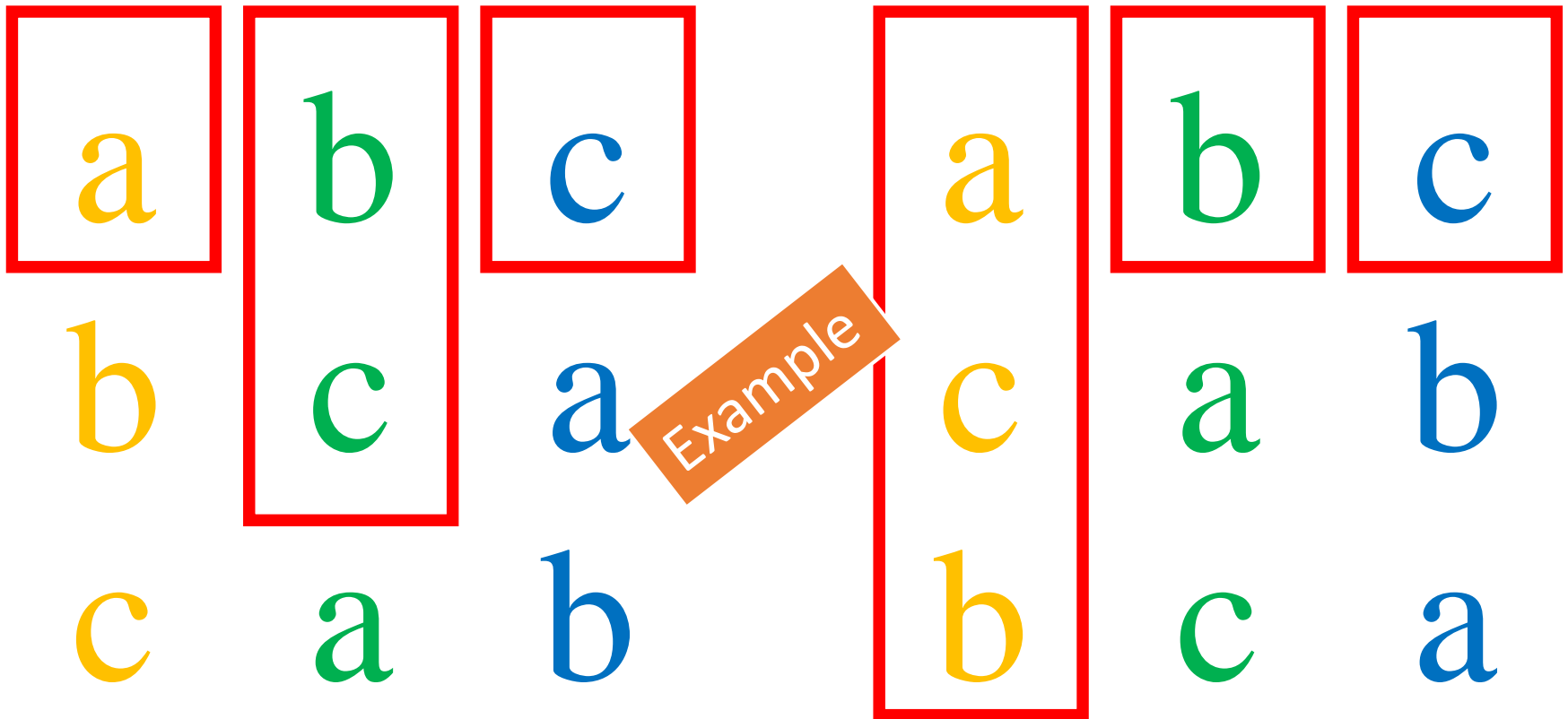
b	b	b	b	b	b
c	c	c	a	a	a
a	a	a	c	c	c
ID: 2-3-1	ID: 2-3-2	ID: 2-3-3	ID: 2-2-1	ID: 2-2-2	ID: 2-2-3

Please find and take one card, from the table, which represent your preference order and permissible range correctly.

c	c	c	c	c	c
a	a	a	b	b	b
b	b	b	a	a	a
ID: 3-4-1	ID: 3-4-2	ID: 3-4-3	ID: 3-5-1	ID: 3-5-2	ID: 3-5-3

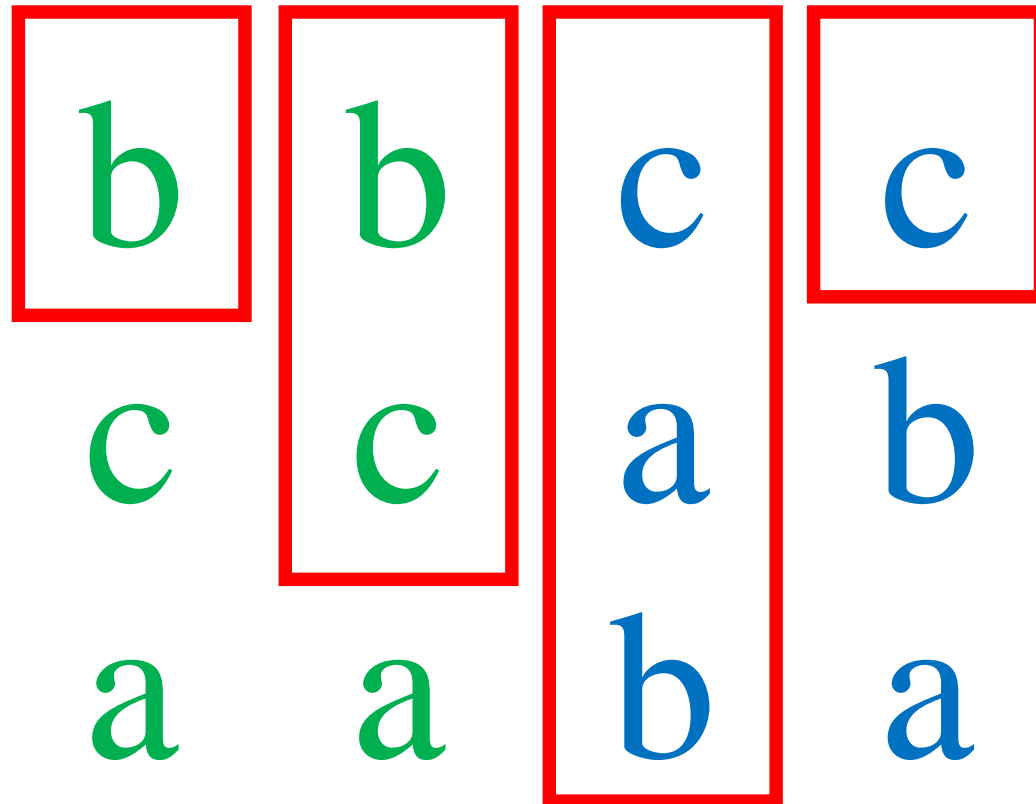
Let us move to Group Decision Making game!

Try to form groups of three members, who have the cards with different colors (that is, yellow, green, and blue).



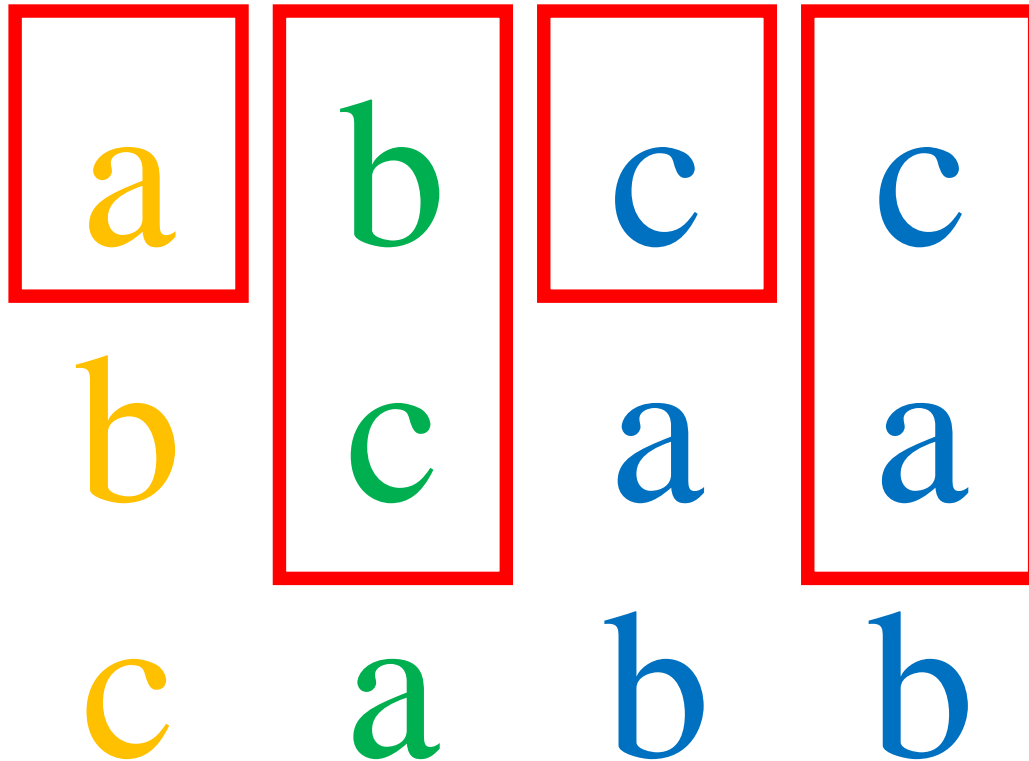
You may form groups of four members such that the numbers of colors of their cards are two, and the numbers of the cards with the same color are two.

Example



You may form groups of four members such that the numbers of colors of their cards are three.

Example



Let us use “Group Decision Making Sheet”!

Step 1: Write your group members' information

- Name, Student ID Number, and ID on the card

Step 2: Record the preference orders, the permissible ranges, and the IDs on the cards of your group members.

Step 3: Discuss with your group member, and make your decision. Please write your choices.

- You may choose a different alternative from other members – this means “disagreement.”

Let us share and discuss what happened!

1. How did you have your individual preference order and permissible range? Please explain important factors, reasons, advantage, disadvantage, and so on.
2. How did you and your group choose the alternative?
3. Did each member of your group agree on the decisions?
4. Which decision making rule (e.g. majority rule, unanimity (consensus) rule, the “rock-paper-scissors” rule, and so on) did you and your group use?
5. Were there any troubles when you and your group make the decision?
6. Please give your comments on the “Pro-Con Analysis” and “Group Decision Making game.” Please give your comments on the classes of this course so far, too.