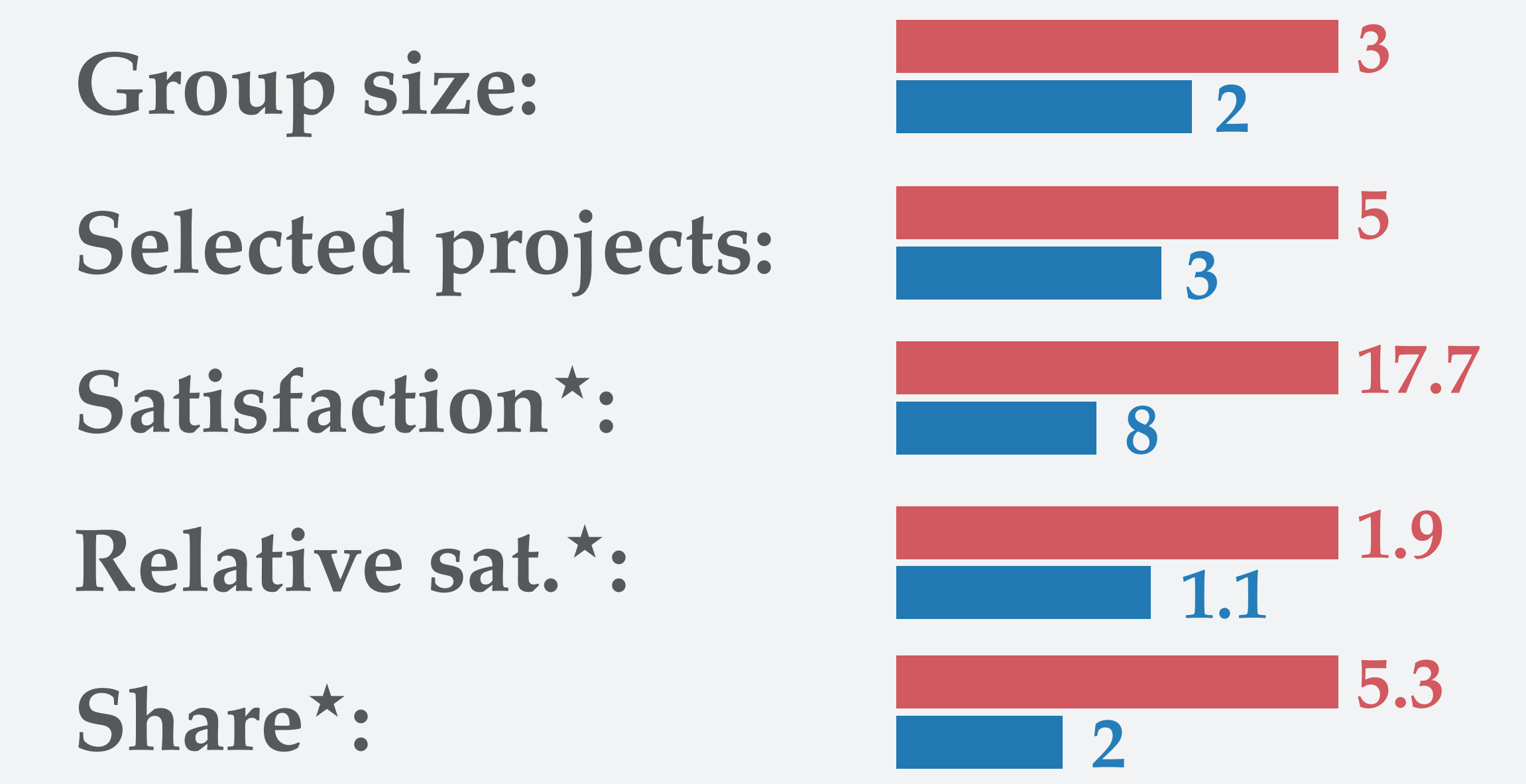
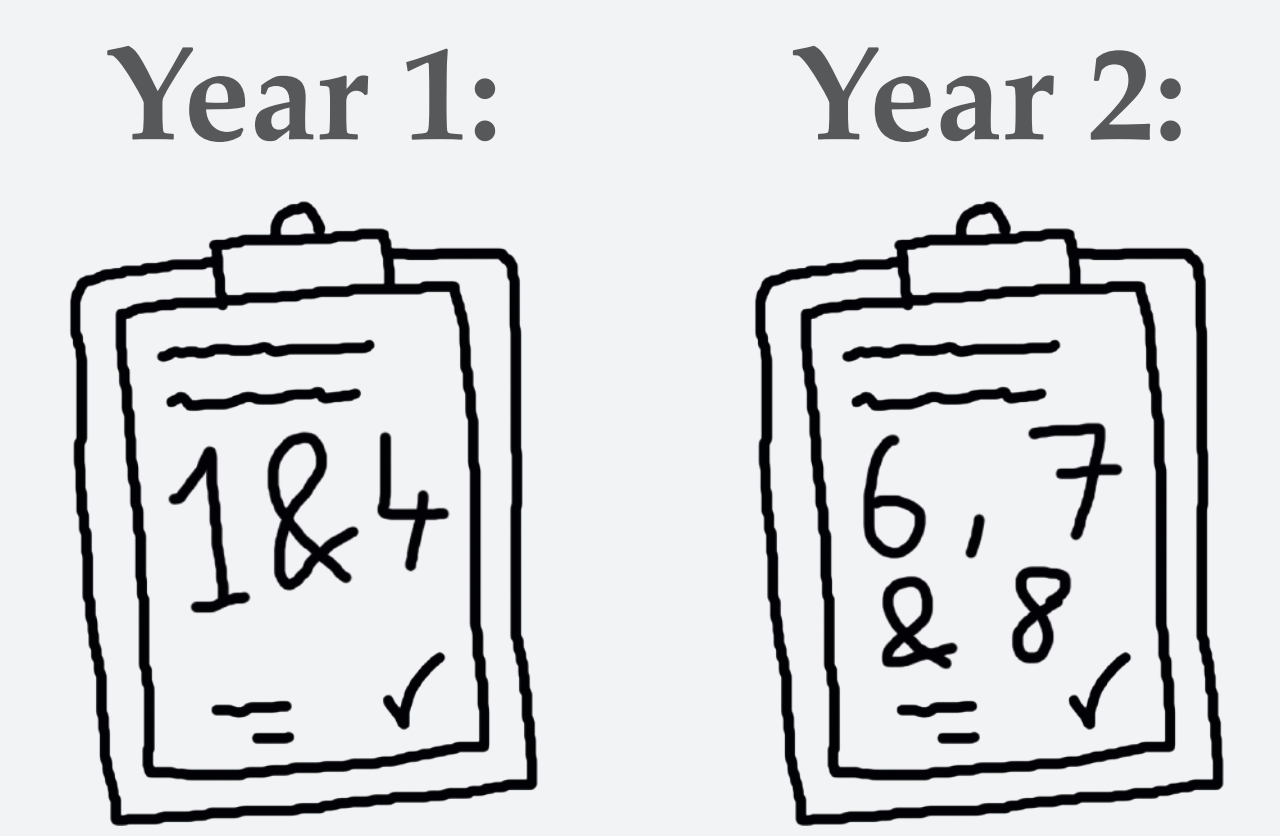


Fairness in Long-Term Participatory Budgeting

Normative requirements for participatory budgeting processes spanning several years

		Year 1 = 10				Year 2 = 10				Year 3 = 10			
Cost		6	2	2	4	5	5	3	2	7	7	4/3	29/3
Robot group		✓			✓					✓			✓
		✓		✓		✓			✓	✓			✓
		✓			✓	✓		✓	✓	✓			✓
Animal group			✓		✓	✓		✓	✓		✓	✓	✓
				✓	✓	✓		✓		✓			✓



Given years 1 and 2, how should we select the allocation for Year 3 to be fair with respect to both groups?

Submit your answer here: simonrey.fr/ppb



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Have a look at the paper:
simonrey.fr/static/PPB.pdf

*Satisfaction of a group: average over the members of the group of the amount of budget spent on projects they approved of.
 *Relative sat. of a group: satisfaction corrected by the cost of the most expensive but feasible subset of projects included in the approval ballot.
 *Share of a group: average over the members of the sum of the cost divided by the number of approvals for all selected and approved projects.