

# Dettaglio distrattori

Ottavia

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## I distrattori

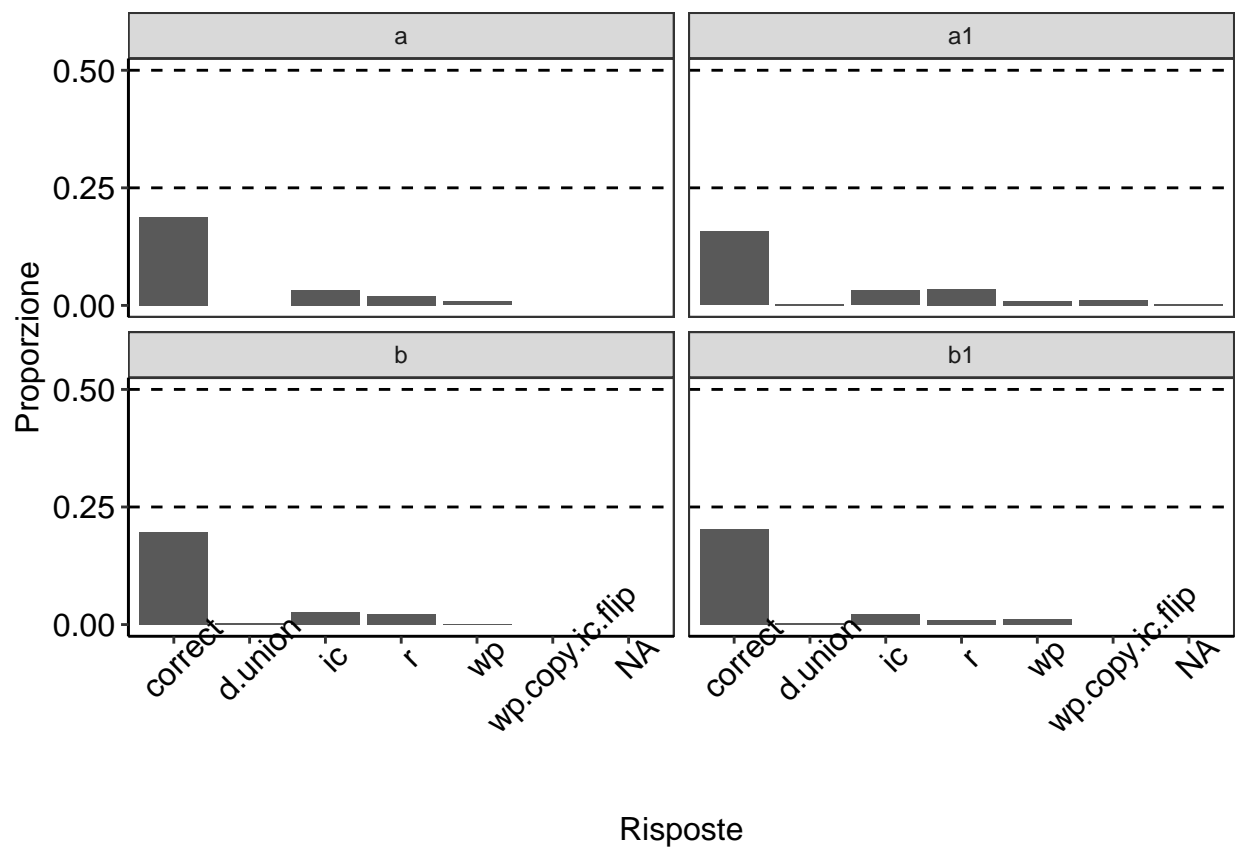
### Descrittive

Ho rinominato tutti i distrattori nelle loro macrocategorie (altrimenti le frequenze per ogni tipo di distrattore erano troppo basse):

- r.top, r.tleft, r.diag  $\rightarrow$  r
- wp.copy, wp.matrix  $\rightarrow$  wp
- d.union  $\rightarrow$  d.union
- ic.inc, ic.flip, ic.scale, ic.neg  $\rightarrow$  ic

Queste analisi sono fatte sul data set di dati interi.

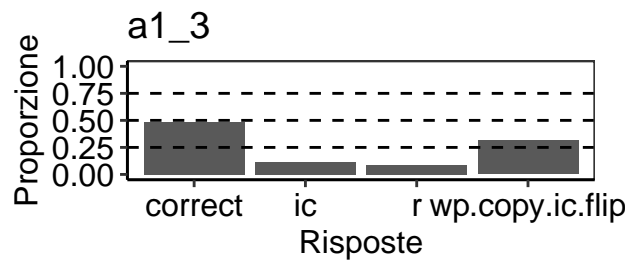
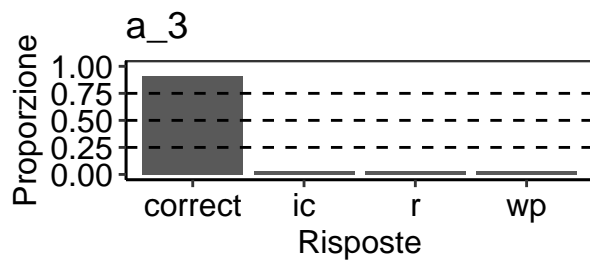
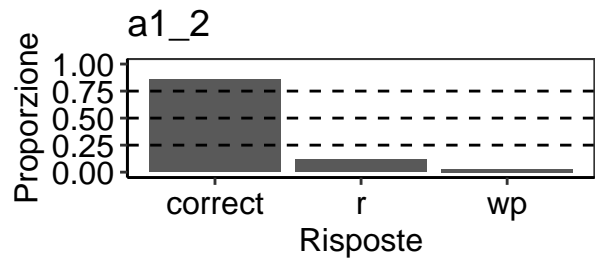
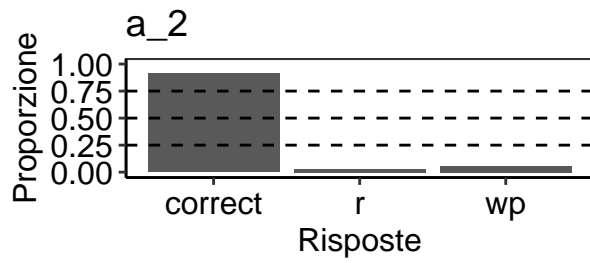
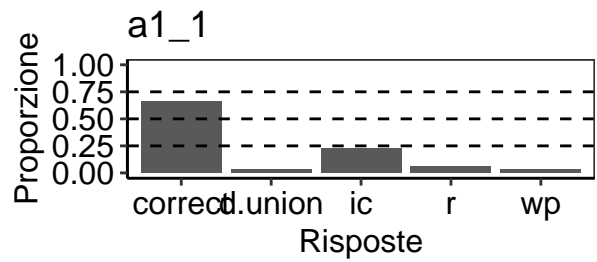
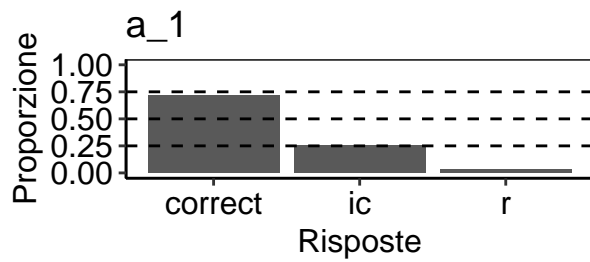
Questa è la distribuzione dei distrattori scelti tra i blocchi:

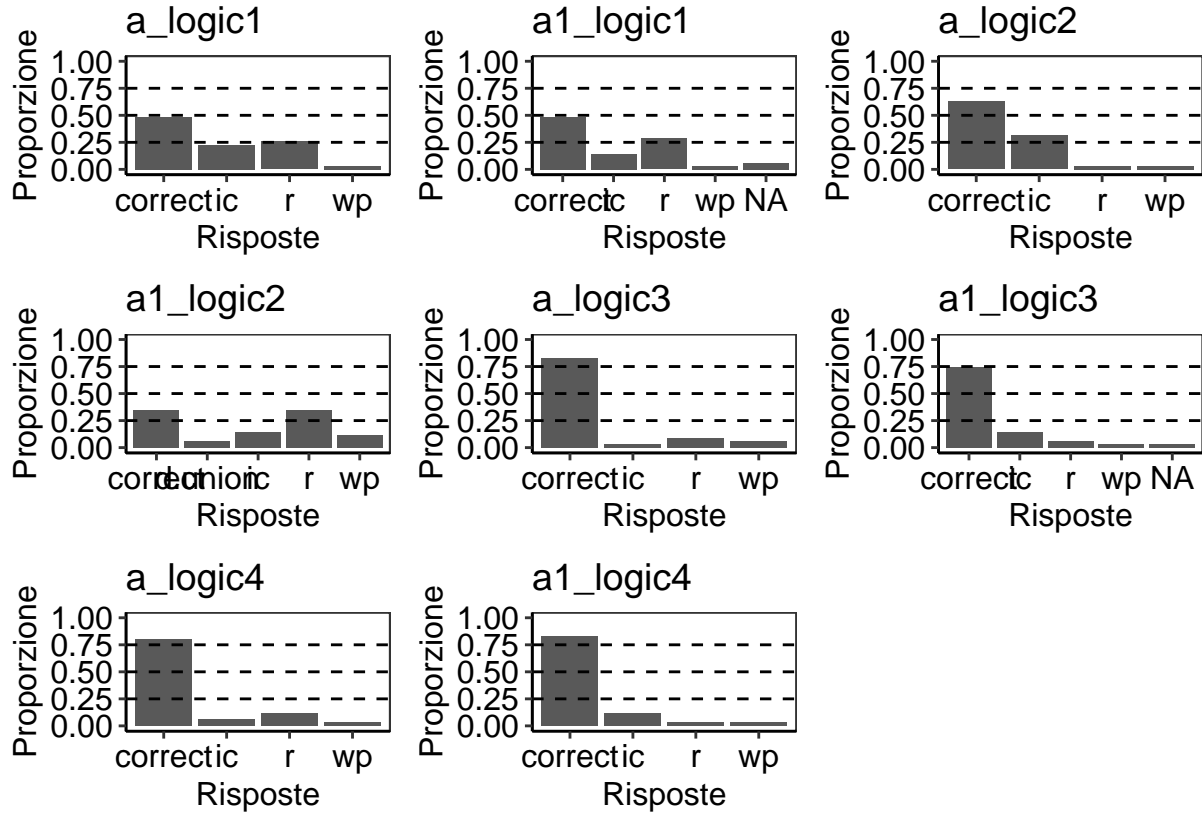


Nella prossima sezione riporto un po' di grafici descrittivi.

Sulla base dei grafici ho fatto una selezione di stimoli su cui andare a fare analisi più approfondite (i.e., dimensione dell'effetto del  $\chi^2$  per testare l'uniformità della distribuzione dei distrattori,  $r = \sqrt{\chi^2/n}$ ) mentre ho calcolato la kappa di Cohen su tutti gli item (ultima sezione).

Set A, grafici



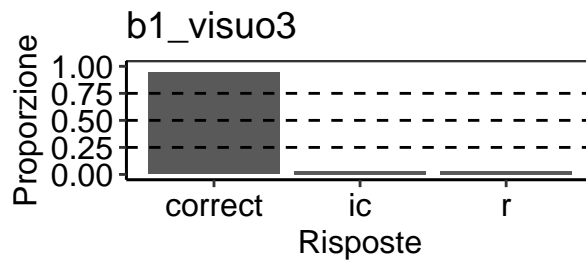
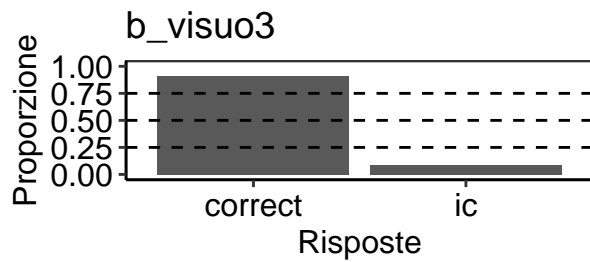
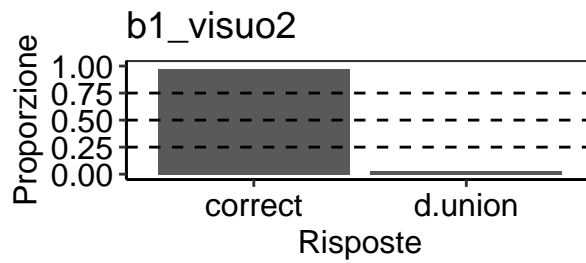
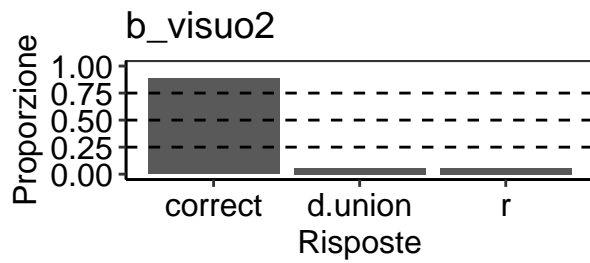
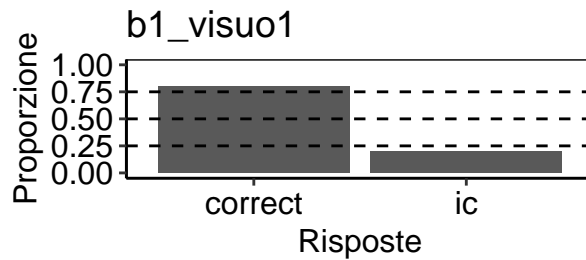
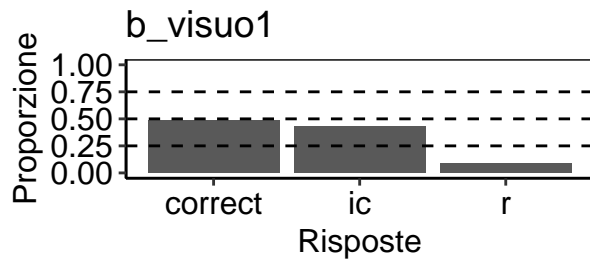


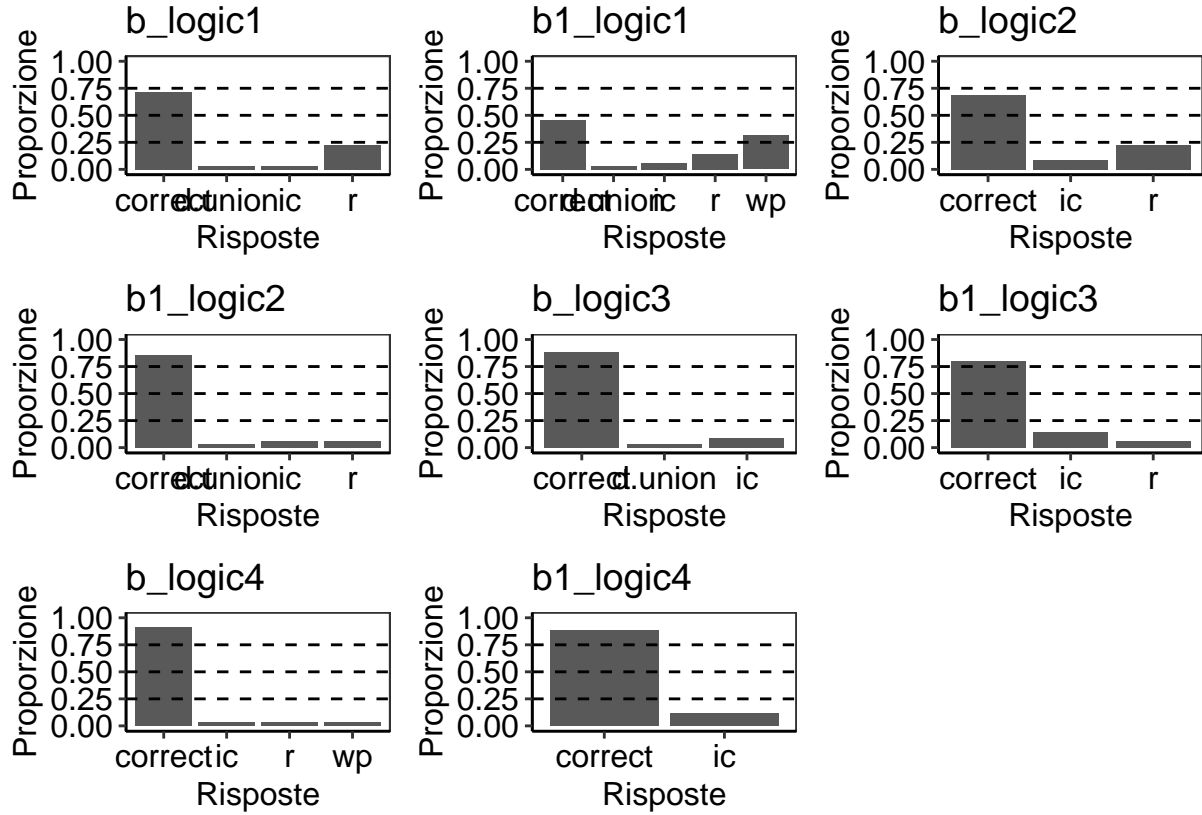
$\chi^2$  Set A

Table 1: Set A dimensione dell'effetto basata sul chi quadro

stim	val	ergo	stim	val	ergo
a_1	0.8	non-equi	a_logic1	0.59	non-equi
a_2	0.33	medio-piccolo	a_logic2	1.09	non-equi
a_3	0	equidistribuiti	a_logic3	0.41	medio-piccolo
a1_1	0.97	non-equi	a_logic4	0.53	non-equi
a1_2	0.6	non-equi	a1_logic1	0.69	non-equi
a1_3	0.59	non-equi	a1_logic2	0.66	non-equi
			a1_logic3	0.64	non-equi
			a1_logic4	0.71	non-equi

Set B, grafici





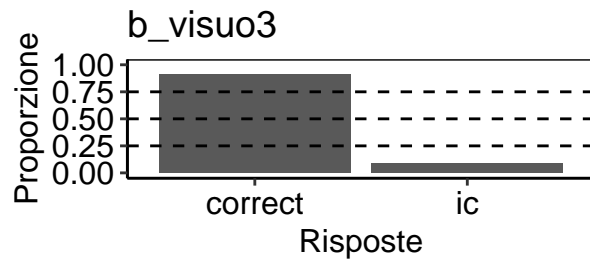
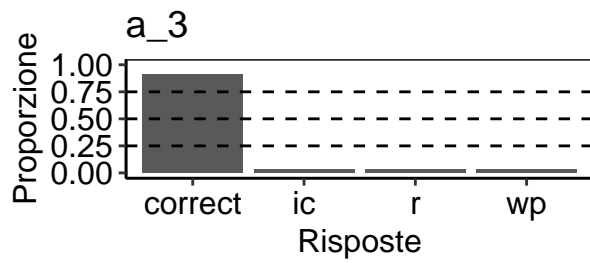
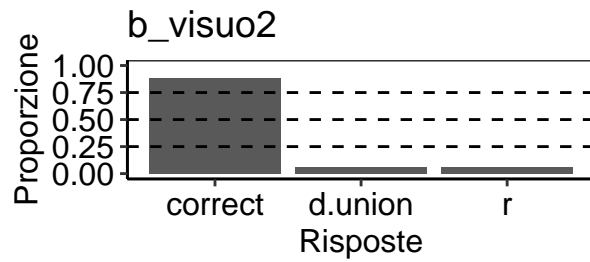
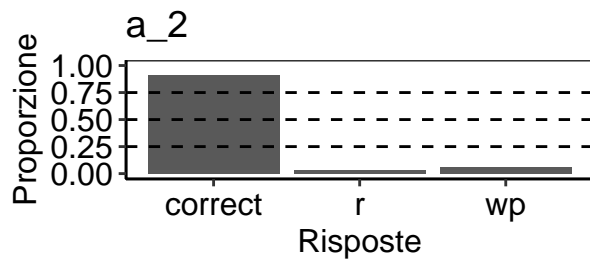
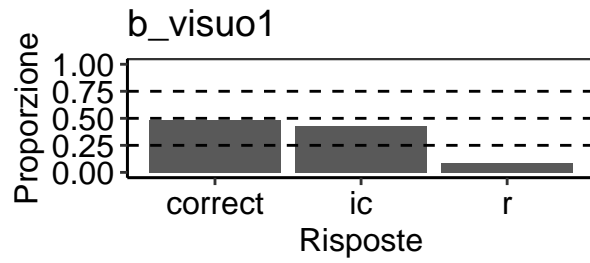
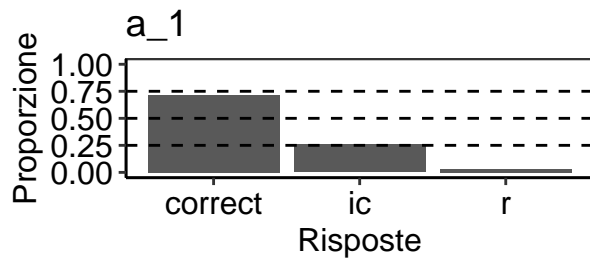
$\chi^2$  Set B

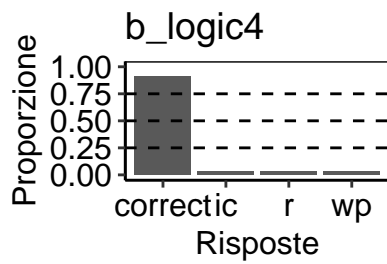
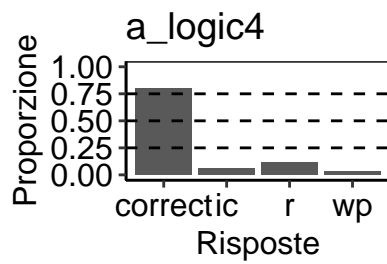
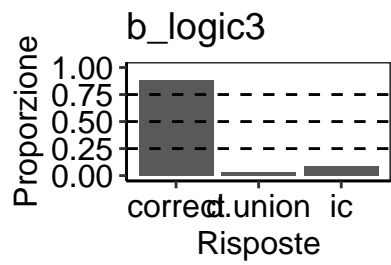
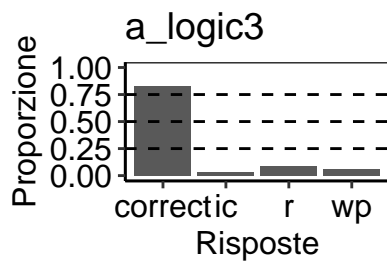
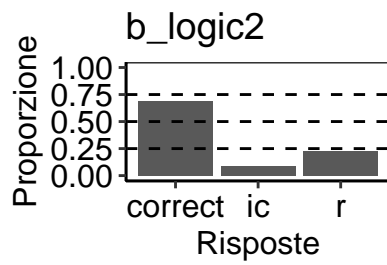
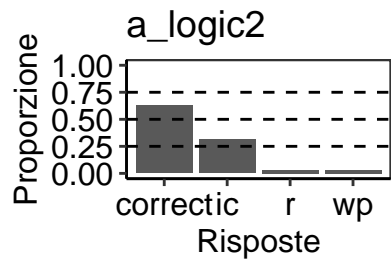
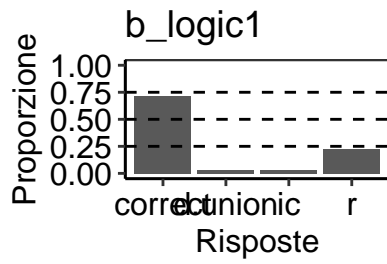
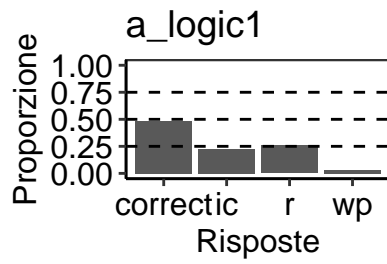
Table 2: Set B dimensione dell'effetto basata sul chi quadro

stim	val	ergo	stim	val	ergo
b_visuo1	0.67	non-equi	b_logic1	0.99	non-equi
b_visuo2	0	equidistribuiti	b_logic2	0.45	medio-piccolo
b1_visuo3	0	equidistribuiti	b_logic3	0.50	non-equi
			b_logic4	0.00	equidistribuiti
			b1_logic1	0.82	non-equi
			b1_logic2	0.28	medio-piccolo
			b1_logic3	0.43	medio-piccolo

## Confrono tra set (grafici)

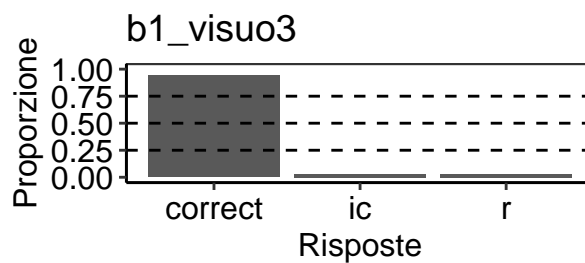
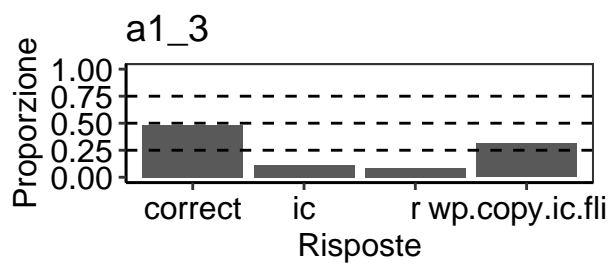
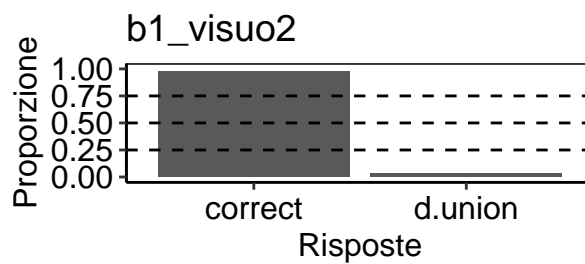
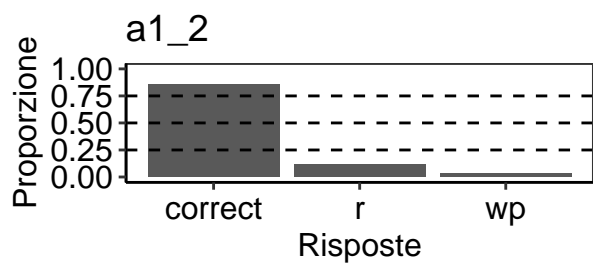
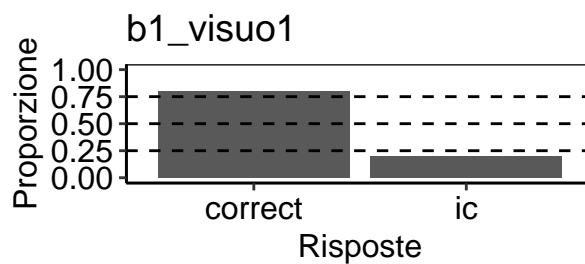
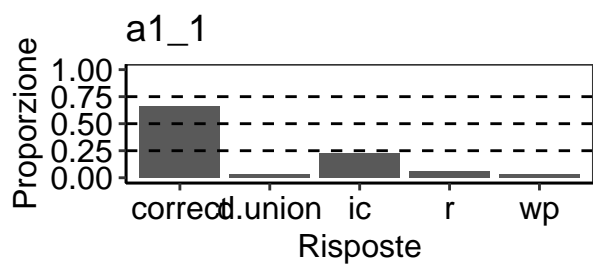
A vs. B

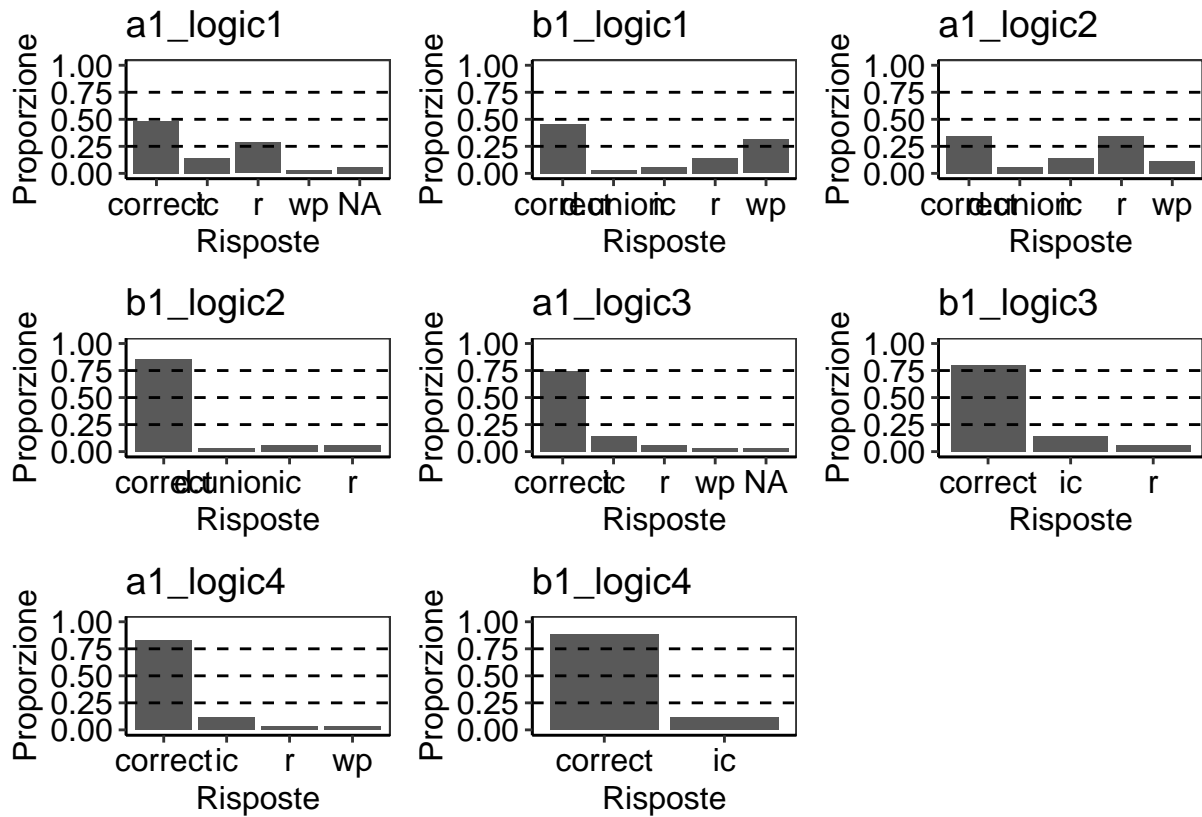






## A1 vs. B1





## Kappa

### Entro le matrici

Table 3: Kappa matrici visuo ENTRO set

stim	kappa	stim	kappa
visuo_1	0.08	b_visuo1	0.27
visuo_2	0.44	b_visuo2	0.37
visuo_3	-0.06	b_visuo3	-0.07

Table 4: Kappa matrici logiche ENTRO set

stim	kappa	stim	kappa
A-logic1	0.33	b_logic1	0.28
A-logic2	0.37	b_logic2	0.22
A-logic3	0.46	b_logic3	0.26
A-logic4	0.34	b_logic4	0.21

### Tra le matrici

Table 5: Kappa matrici visuo TRA set

stim	kappa	stim	kappa
visuo_1	-0.02	visuo1_1	0.23
visuo_2	0.21	visuo1_2	0.30
visuo_3	-0.09	visuo1_3	-0.00

Table 6: Kappa matrici logiche TRA set

stim	kappa	stim	kappa
logic_logic1	0.44	logic1_logic1	0.27
logic_logic2	0.12	logic1_logic2	-0.03
logic_logic3	0.30	logic1_logic3	0.23
logic_logic4	0.32	logic1_logic4	0.07