

TeleFE: A New Tool for the Tele-Assessment of Executive Functions in Children

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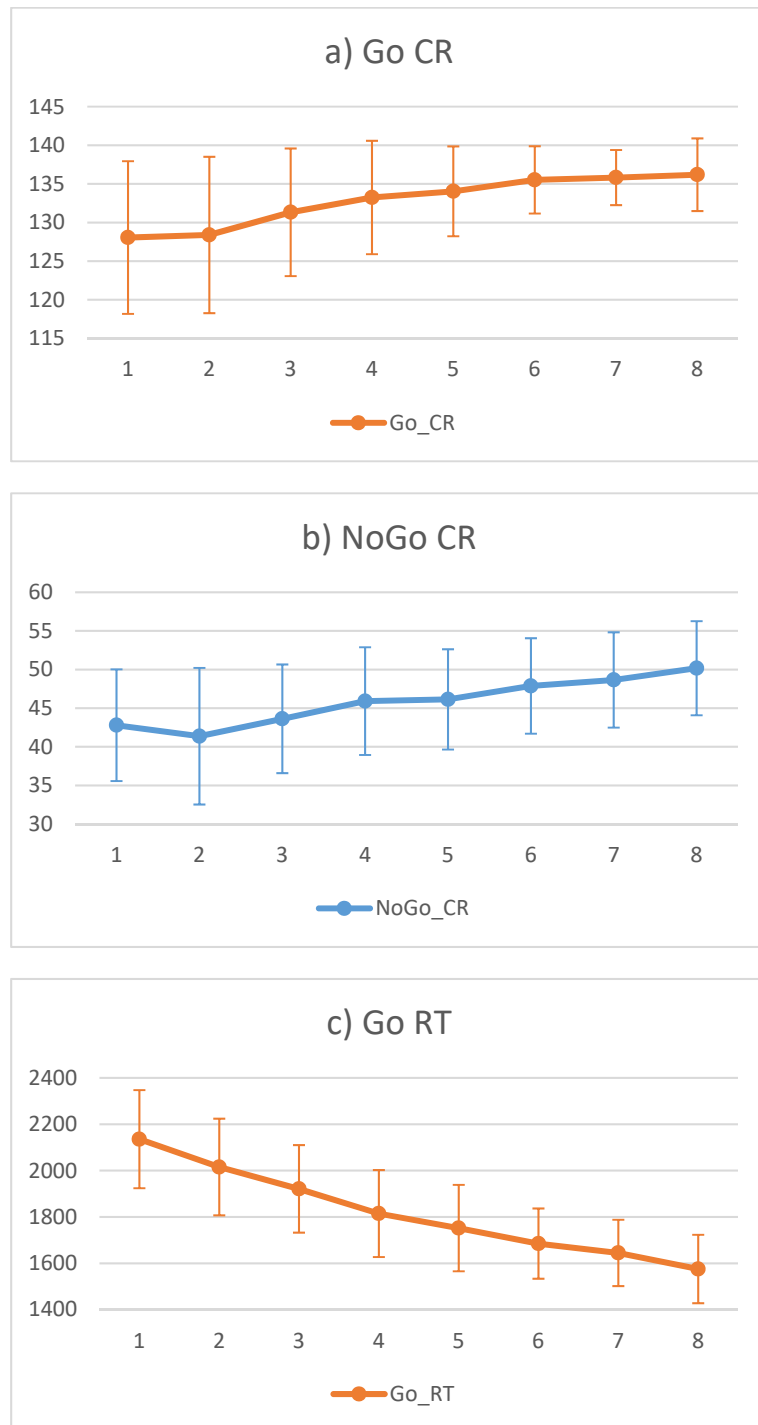


Figure S1. Means and standard deviations by class for the Go CR (a), NoGo CR (b) and Go RT measures of the Go/NoGo task.

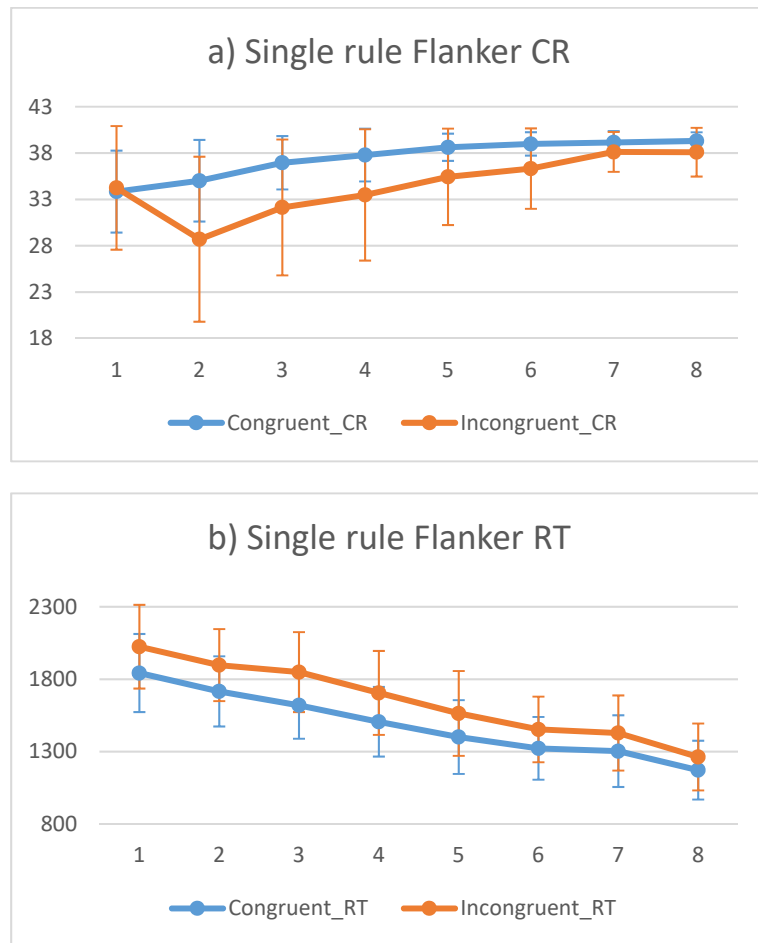


Figure S2. Means and standard deviations by class for the CR (a) and RT (b) measures of the Single rule Flanker task.

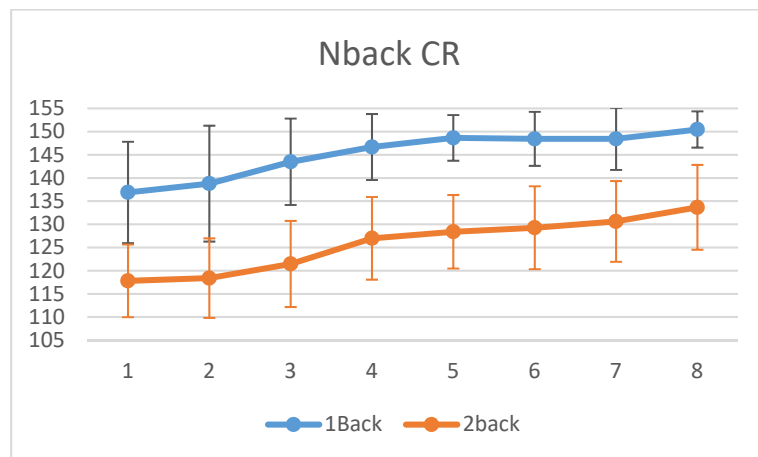


Figure S3. Means and standard deviations for each measure of the Nback task by class.

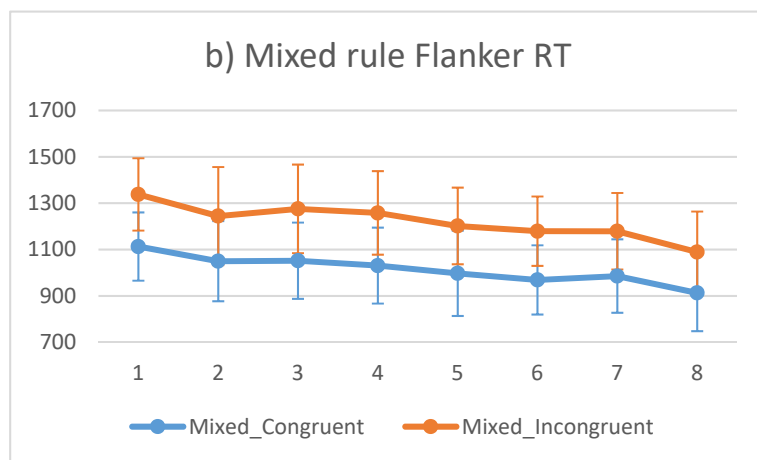
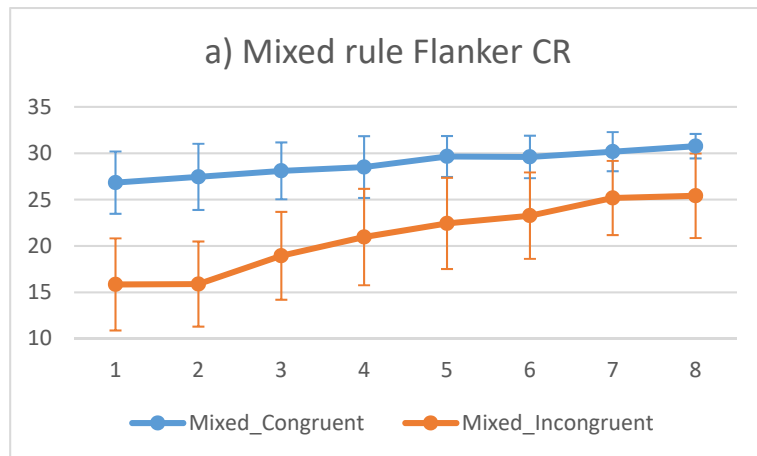


Figure S4. Means and standard deviations by class for the CR (a) and RT (b) measures of the Mixed rule Flanker task.

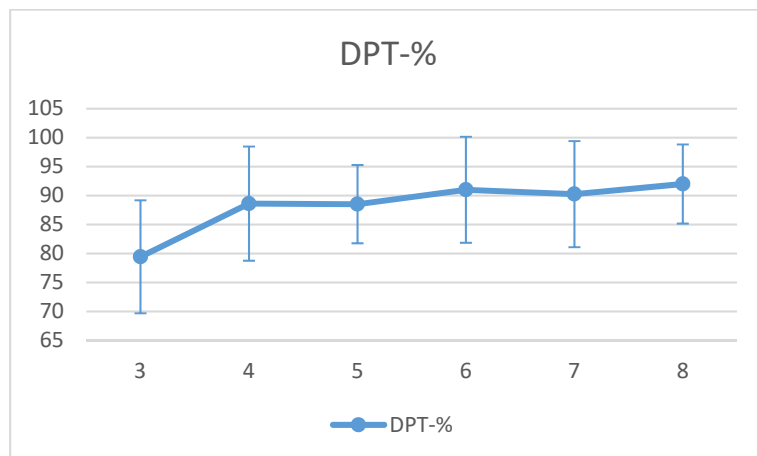


Figure S5. Means and standard deviations of the percentage of accuracy on DPT by class.

Table S1. Estimated marginal means of accuracy Condition (congruent-incongruent) * class* AM for blocks 1 and 2 in the Flanker task.

| AM | class | Condition | Mean | SE | 95% Confidence Interval | | Post-hoc between classes (p<.05) |
|-------------|-------|-------------|-------|------|-------------------------|-------|----------------------------------|
| | | | | | Lower | Upper | |
| In person | 1 | Congruent | 34.04 | 1.07 | 31.95 | 36.14 | <4-8 |
| | 2 | Congruent | 33.83 | 0.82 | 32.22 | 35.44 | <3-8 |
| | 3 | Congruent | 37.23 | 0.29 | 36.66 | 37.81 | <5, 7-8 |
| | 4 | Congruent | 38.41 | 0.26 | 37.91 | 38.92 | >1-2 |
| | 5 | Congruent | 38.85 | 0.26 | 38.35 | 39.35 | >1-3 |
| | 6 | Congruent | 39.02 | 0.44 | 38.16 | 39.89 | >1-2 |
| | 7 | Congruent | 39.18 | 0.36 | 38.48 | 39.87 | >1-3 |
| | 8 | Congruent | 39.40 | 0.39 | 38.63 | 40.17 | >1-3 |
| | 1 | Incongruent | 25.71 | 2.42 | 20.96 | 30.45 | <3-8 |
| | 2 | Incongruent | 34.37 | 1.85 | 30.73 | 38.01 | <3-8 |
| | 3 | Incongruent | 32.73 | 0.66 | 31.43 | 34.03 | <6-8 |
| | 4 | Incongruent | 35.35 | 0.58 | 34.22 | 36.49 | >1-2 |
| | 5 | Incongruent | 35.60 | 0.58 | 34.46 | 36.73 | >1-2 |
| | 6 | Incongruent | 36.45 | 1.00 | 34.49 | 38.41 | >1-3 |
| | 7 | Incongruent | 38.13 | 0.81 | 36.55 | 39.71 | >1-3 |
| | 8 | Incongruent | 38.51 | 0.89 | 36.77 | 40.26 | >1-3 |
| At distance | 1 | Congruent | 33.72 | 0.41 | 32.93 | 34.52 | <3-8 |
| | 2 | Congruent | 35.03 | 0.22 | 34.59 | 35.46 | <3-8 |
| | 3 | Congruent | 36.73 | 0.26 | 36.23 | 37.23 | <6-8 |
| | 4 | Congruent | 37.24 | 0.24 | 36.77 | 37.70 | >1-2 |
| | 5 | Congruent | 38.23 | 0.37 | 37.50 | 38.95 | >1-2 |
| | 6 | Congruent | 38.76 | 0.44 | 37.89 | 39.63 | >1-3 |
| | 7 | Congruent | 39.13 | 0.55 | 38.05 | 40.21 | >1-3 |
| | 8 | Congruent | 39.16 | 0.55 | 38.08 | 40.24 | >1-3 |
| | 1 | Incongruent | 35.37 | 0.92 | 33.56 | 37.18 | >2 |
| | 2 | Incongruent | 28.25 | 0.51 | 27.26 | 29.24 | <3-8 |
| | 3 | Incongruent | 31.73 | 0.58 | 30.59 | 32.87 | <5-8 |
| | 4 | Incongruent | 32.06 | 0.53 | 31.01 | 33.11 | <6-8 |
| | 5 | Incongruent | 35.77 | 0.84 | 34.12 | 37.41 | >1-3 |
| | 6 | Incongruent | 36.84 | 1.00 | 34.87 | 38.81 | >1-4 |
| | 7 | Incongruent | 38.42 | 1.25 | 35.98 | 40.87 | >1-4 |
| | 8 | Incongruent | 37.79 | 1.25 | 35.34 | 40.23 | >1-4 |

Table S2. Estimated marginal means of accuracy Condition (congruent-incongruent) * class* AM for block 3 in Flanker task.

| AM | class | Condition | Mean | SE | 95% Confidence Interval | | Post-hoc between classes (p<.05) |
|-------------|-------|-------------|-------|------|-------------------------|-------|----------------------------------|
| | | | | | Lower | Upper | |
| In person | 1 | Congruent | 25.50 | 1.23 | 23.08 | 27.92 | <8 |
| | 2 | Congruent | 28.95 | 0.86 | 27.26 | 30.64 | - |
| | 3 | Congruent | 28.26 | 0.31 | 27.66 | 28.87 | <5, 7-8 |
| | 4 | Congruent | 28.75 | 0.26 | 28.24 | 29.26 | <8 |
| | 5 | Congruent | 29.84 | 0.26 | 29.33 | 30.35 | >5 |
| | 6 | Congruent | 29.75 | 0.45 | 28.87 | 30.64 | - |
| | 7 | Congruent | 30.10 | 0.37 | 29.38 | 30.82 | >3 |
| | 8 | Congruent | 30.68 | 0.40 | 29.89 | 31.46 | >1, 3-4 |
| | 1 | Incongruent | 20.75 | 2.05 | 16.74 | 24.76 | - |
| | 2 | Incongruent | 18.83 | 1.43 | 16.03 | 21.64 | <7-8 |
| | 3 | Incongruent | 19.59 | 0.51 | 18.58 | 20.59 | <5-8 |
| | 4 | Incongruent | 21.63 | 0.43 | 20.78 | 22.48 | <7-8 |
| | 5 | Incongruent | 22.66 | 0.43 | 21.82 | 23.51 | <8 |
| | 6 | Incongruent | 23.16 | 0.75 | 21.69 | 24.63 | >5 |
| | 7 | Incongruent | 25.35 | 0.61 | 24.16 | 26.55 | >2-4 |
| | 8 | Incongruent | 25.95 | 0.66 | 24.65 | 27.25 | >2-4 |
| At distance | 1 | Congruent | 27.37 | 0.46 | 26.45 | 28.28 | <7-8 |
| | 2 | Congruent | 27.32 | 0.24 | 26.85 | 27.80 | <5-8 |
| | 3 | Congruent | 27.95 | 0.27 | 27.43 | 28.47 | <8 |
| | 4 | Congruent | 28.31 | 0.24 | 27.84 | 28.77 | <8 |
| | 5 | Congruent | 29.36 | 0.38 | 28.62 | 30.10 | >2 |
| | 6 | Congruent | 29.53 | 0.45 | 28.65 | 30.41 | >2 |
| | 7 | Congruent | 30.29 | 0.56 | 29.19 | 31.39 | >1-2 |
| | 8 | Congruent | 30.92 | 0.58 | 29.77 | 32.06 | >1-4 |
| | 1 | Incongruent | 15.61 | 0.77 | 14.10 | 17.13 | <4-8 |
| | 2 | Incongruent | 15.68 | 0.40 | 14.89 | 16.46 | <3-8 |
| | 3 | Incongruent | 18.44 | 0.44 | 17.57 | 19.30 | <5-8 |
| | 4 | Incongruent | 20.32 | 0.40 | 19.54 | 21.10 | <6-8 |
| | 5 | Incongruent | 22.28 | 0.62 | 21.06 | 23.50 | >1-3 |
| | 6 | Incongruent | 23.95 | 0.74 | 22.49 | 25.40 | >1-4 |
| | 7 | Incongruent | 25.65 | 0.93 | 23.83 | 27.48 | >1-4 |
| | 8 | Incongruent | 25.17 | 0.97 | 23.27 | 27.07 | >1-4 |

| AM | class | Condition | Mean | SE | 95% Confidence Interval | | Post-hoc between classes (p<.05) |
|----|-------|-----------|------|----|-------------------------|-------|-------------------------------------|
| | | | | | Lower | Upper | |