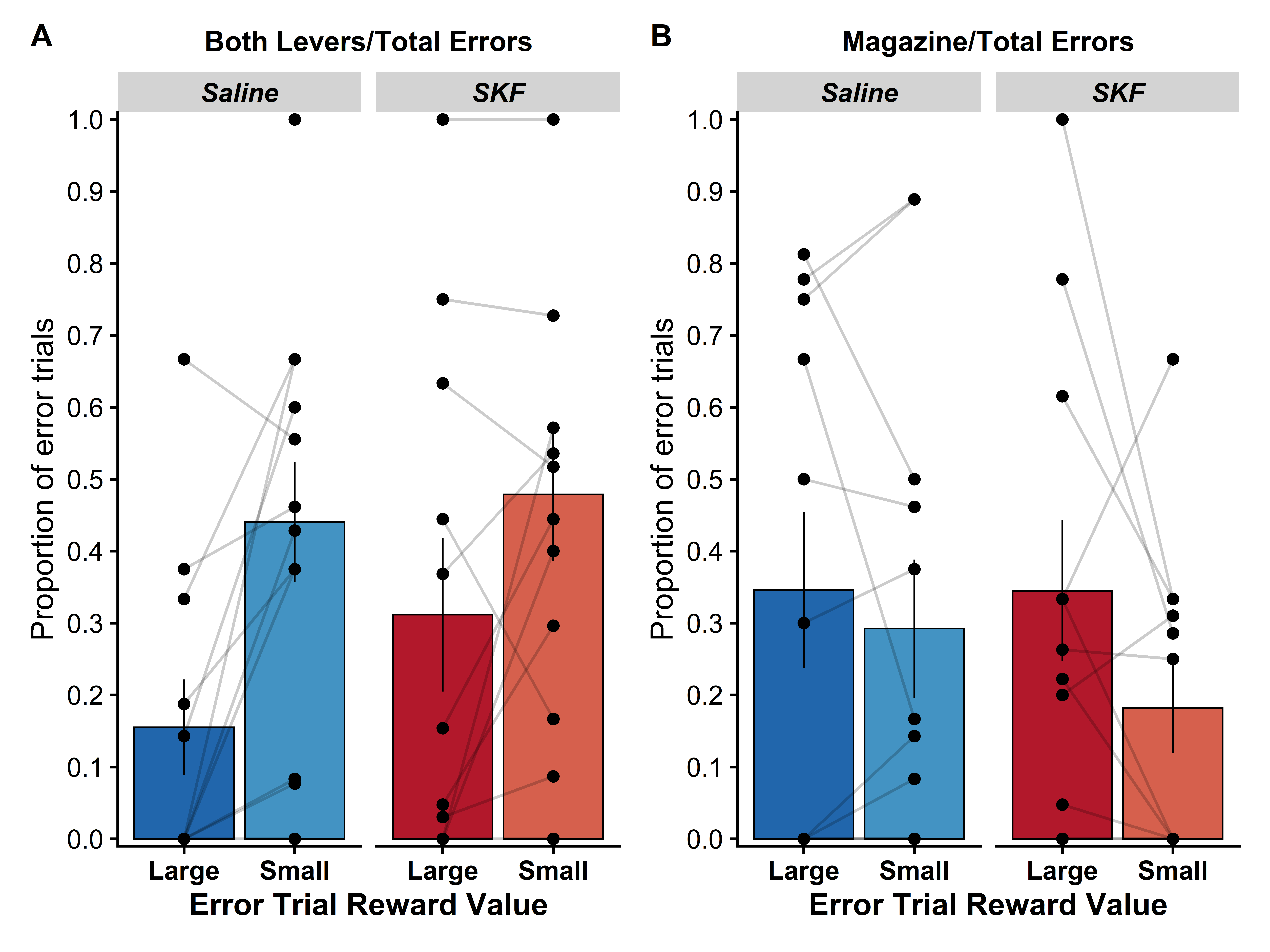
Laura\_SKF\_GoNoGo\_ErrorTrialsAnalsysis

Marios Panayi

1/27/2021



Probability of both levers or magazine

# A) Analysis of both levers data

### Full random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 9.00 | 5.30 | 1.00 | 0.02 |
| Drug | 9.00 | 1.10 | 1.00 | 0.29 |
| RewardSize:Drug | 9.00 | 0.58 | 1.00 | 0.44 |

### Only subject random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 4.00 | 13.64 | 1.00 | 0.00 |
| Drug | 4.00 | 3.45 | 1.00 | 0.06 |
| RewardSize:Drug | 4.00 | 0.84 | 1.00 | 0.36 |

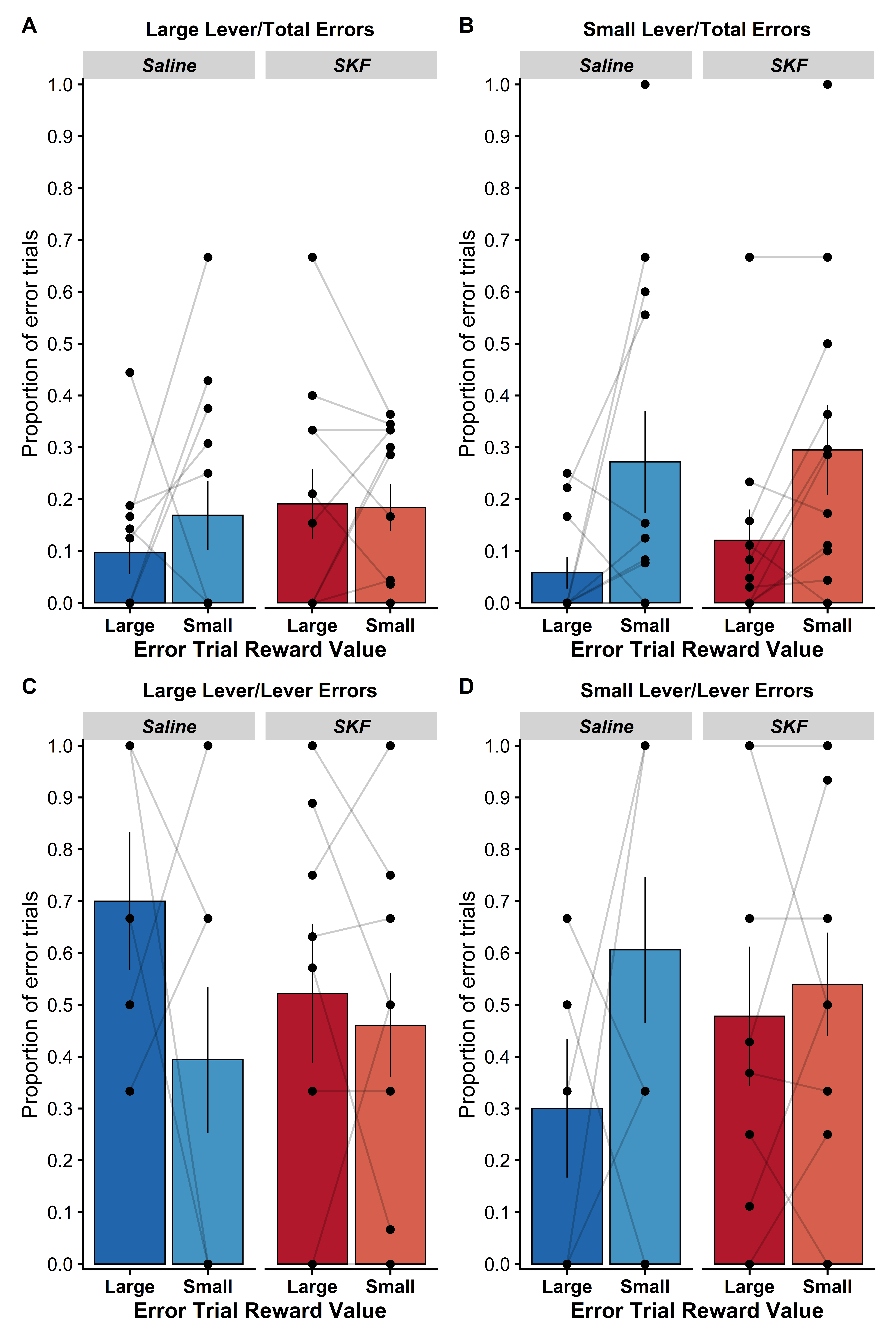
# B) Analysis of magazine data

### Full random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 9.00 | 0.66 | 1.00 | 0.42 |
| Drug | 9.00 | 0.16 | 1.00 | 0.69 |
| RewardSize:Drug | 9.00 | 1.03 | 1.00 | 0.31 |

### Only subject random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 4.00 | 1.78 | 1.00 | 0.18 |
| Drug | 4.00 | 8.69 | 1.00 | 0.00 |
| RewardSize:Drug | 4.00 | 0.62 | 1.00 | 0.43 |



Probability of large and small reward levers

# A) Analysis of large reward lever

### Full random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 9.00 | 0.39 | 1.00 | 0.53 |
| Drug | 9.00 | 0.62 | 1.00 | 0.43 |
| RewardSize:Drug | 9.00 | 0.06 | 1.00 | 0.81 |

### Only subject random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 4.00 | 0.42 | 1.00 | 0.52 |
| Drug | 4.00 | 1.56 | 1.00 | 0.21 |
| RewardSize:Drug | 4.00 | 1.03 | 1.00 | 0.31 |

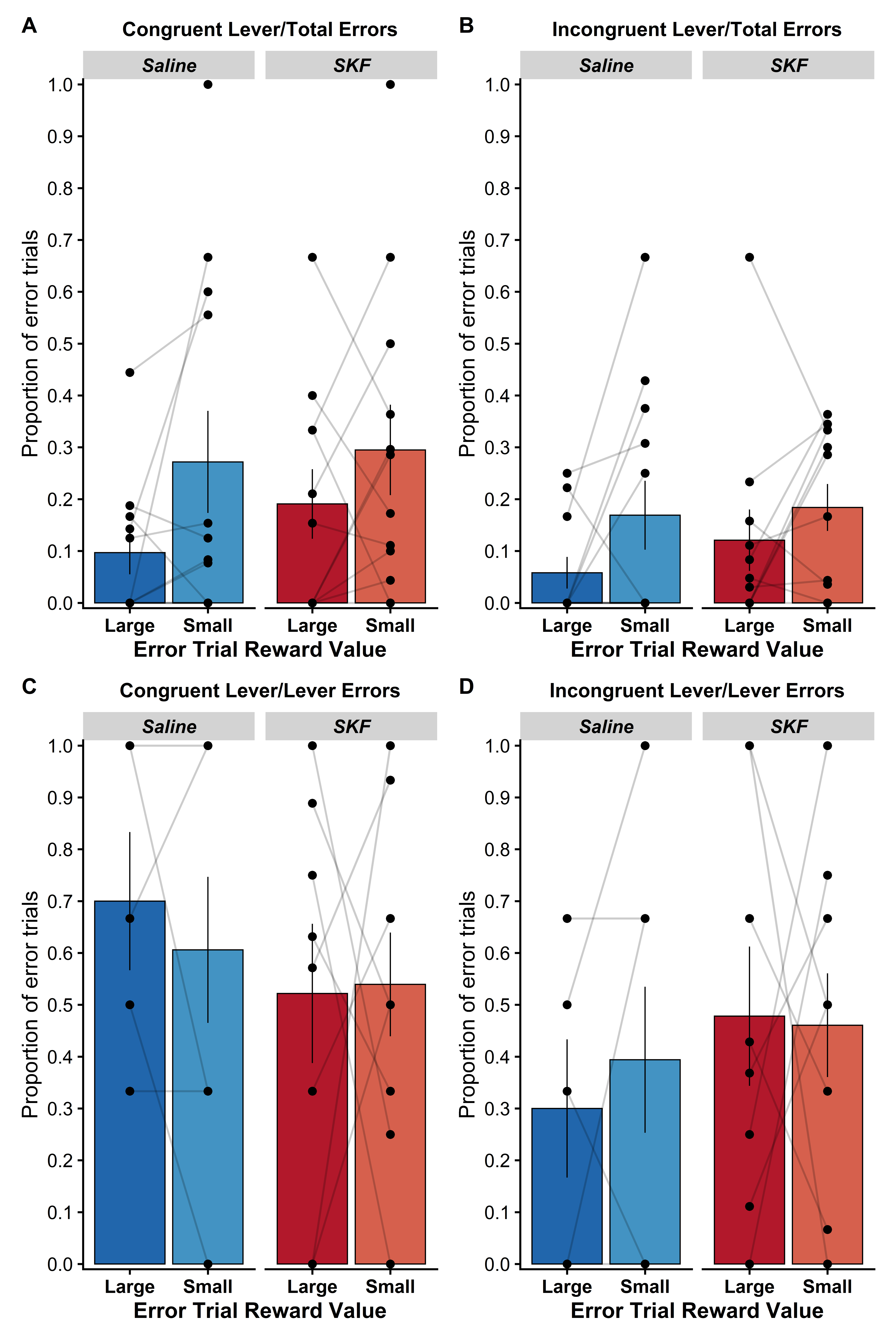
# B) Analysis of large reward lever

### Full random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 9.00 | 7.93 | 1.00 | 0.00 |
| Drug | 9.00 | 2.12 | 1.00 | 0.15 |
| RewardSize:Drug | 9.00 | 0.18 | 1.00 | 0.67 |

### Only subject random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 4.00 | 16.14 | 1.00 | 0.00 |
| Drug | 4.00 | 1.22 | 1.00 | 0.27 |
| RewardSize:Drug | 4.00 | 0.20 | 1.00 | 0.66 |



Probability of congruent and incongruent reward levers

# A) Analysis of congruent reward lever

### Full random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 9.00 | 2.81 | 1.00 | 0.09 |
| Drug | 9.00 | 2.89 | 1.00 | 0.09 |
| RewardSize:Drug | 9.00 | 0.38 | 1.00 | 0.54 |

### Only subject random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 4.00 | 3.46 | 1.00 | 0.06 |
| Drug | 4.00 | 2.44 | 1.00 | 0.12 |
| RewardSize:Drug | 4.00 | 0.64 | 1.00 | 0.42 |

# A) Analysis of incongruent reward lever

### Full random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 9.00 | 1.48 | 1.00 | 0.22 |
| Drug | 9.00 | 0.83 | 1.00 | 0.36 |
| RewardSize:Drug | 9.00 | 0.24 | 1.00 | 0.63 |

### Only subject random effects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Df | Chisq | Chi Df | Pr(>Chisq) |
| RewardSize | 4.00 | 8.33 | 1.00 | 0.00 |
| Drug | 4.00 | 0.94 | 1.00 | 0.33 |
| RewardSize:Drug | 4.00 | 0.43 | 1.00 | 0.51 |