Code book for Excel file: Study 4 data.xlsx

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| Variable | Position | Label | Values | Measurement level |
| ID | A | Anonymised participant number |  | Nominal |
| School | B | School which participant attended |  | Nominal |
| Gender | C | Participant’s gender  | 1 = Male2 = female  | Nominal |
| Age\_months | D | Participants age in months |  | Scale |
| Class | E | Class in which the participant is enrolled | P5 = Primary 5P7 = Primary 7 | Nominal |
| DoG\_Condition | F | Experimental condition to which the participant was allocated | PastFutureControl | Nominal |
| Trial\_order | G | Order in which the delay of gratification trials were administered |  | Nominal |
| Rubber\_1D | H | Participants choice on delay of gratification rubber 1 day delay trial | 0 = immediate1 = delayed | Nominal |
| Pens\_3W | I | Participants choice on delay of gratification Pens 3 week delay trial | 0 = immediate1 = delayed | Nominal |
| Rubber\_1W | J | Participants choice on delay of gratification rubber 1 week delay trial | 0 = immediate1 = delayed | Nominal |
| Cards\_3W | K | Participants choice on delay of gratification cards 3 weeksdelay trial | 0 = immediate1 = delayed | Nominal |
| Sweets\_1D | L | Participants choice on delay of gratification sweets 1 day delay trial | 0 = immediate1 = delayed | Nominal |
| Pens\_1W | M | Participants choice on delay of gratification Pens 1 week delay trial | 0 = immediate1 = delayed | Nominal |
| Rubber\_3W | N | Participants choice on delay of gratification rubber 3 weeks delay trial | 0 = immediate1 = delayed | Nominal |
| Sweets\_1W | O | Participants choice on delay of gratification sweets 1 week delay trial | 0 = immediate1 = delayed | Nominal |
| Cards\_1D | P | Participants choice on delay of gratification cards 1 day delay trial | 0 = immediate1 = delayed | Nominal |
| Sweets\_3W | Q | Participants choice on delay of gratification sweets 3 weeks delay trial | 0 = immediate1 = delayed | Nominal |
| Cards\_1W | R | Participants choice on delay of gratification cards 1 week delay trial | 0 = immediate1 = delayed | Nominal |
| Pens\_1D | S | Participants choice on delay of gratification Pens 1 week delay trial | 0 = immediate1 = delayed | Nominal |
| Total\_Delays | T | Total number of delay of gratification trials that the delayed choice was selected |  | Scale (0-12) |
| Total\_delays\_proportion | U | Proportion of delayed choices out of total number of trials administered |  | Scale |
| Total\_Delays\_1D | V | Number of delayed choices on 1 day delay of gratification trials |  | Scale |
| Total\_Delays\_1W | W | Number of delayed choices on 1 week delay of gratification trials |  | Scale |
| Total\_Delays\_3W | X | Number of delayed choices on 3 week delay of gratification trials |  | Scale |
| 3D\_UC | Y | 3 day time estimation judgement uncued  |  | Scale |
| 3D\_UC2 | Z | 3 day time estimation judgement uncued (trial 2) |  | Scale |
| 3D\_UC\_M | AA | Mean 3 day time estimation judgement uncued |  | Scale |
| 1W\_UC | AB | 1 week time estimation judgement uncued  |  | Scale |
| 1W\_UC2 | AC | 1 week time estimation judgement uncued (trial 2) |  | Scale |
| 1W\_UC\_M | AD | Mean 1 week time estimation judgement uncued |  | Scale |
| 3W\_UC | AE | 3 week time estimation judgement uncued  |  | Scale |
| 3W\_UC2 | AF | 3 week time estimation judgement uncued (trial 2) |  | Scale |
| 3W\_UC\_M | AG | Mean 3 week time estimation judgement uncued |  | Scale |
| 3M\_UC | AH | 3 month time estimation judgement uncued  |  | Scale |
| 3M\_UC2 | AI | 3 month time estimation judgement uncued (trial 2) |  | Scale |
| 3M\_UC\_M | AJ | Mean 3 month time estimation judgement uncued |  | Scale |
| 3D\_C | AK | 3 day time estimation judgement cued  |  | Scale |
| 3D\_C2 | AL | 3 day time estimation judgement cued (trial 2) |  | Scale |
| 3D\_C\_M | AM | Mean 3 day time estimation judgement cued |  | Scale |
| 1W\_C | AN | 1 week time estimation judgement uncued  |  | Scale |
| 1W\_C2 | AO | 1 week time estimation judgement cued (trial 2) |  | Scale |
| 1W\_C\_M | AP | Mean 1 week time estimation judgement cued |  | Scale |
| 3W\_C | AQ | 3 week time estimation judgement cued  |  | Scale |
| 3W\_C2 | AR | 3 week time estimation judgement cued (trial 2) |  | Scale |
| 3W\_C\_M | AS | Mean 3 week time estimation judgement cued |  | Scale |
| 3M\_C | AT | 3 month time estimation judgement cued  |  | Scale |
| 3M\_C2 | AU | 3 month time estimation judgement cued (trial 2) |  | Scale |
| 3M\_C\_M | AV | Mean 3 month time estimation judgement cued |  | Scale |
| 3D\_SP | AW | Switch point on 3 day delay discounting trials |  | Scale |
| 1W\_SP | AX | Switch point on 1 week delay discounting trials |  | Scale |
| 3W\_SP | AY | Switch point on 3 weeks delay discounting trials |  | Scale |
| 3M\_SP | AZ | Switch point on 3 months delay discounting trials |  | Scale |
| AUC | BA | Area Under the Curve calculated using the model based method (Gilroy & Hantula, 2018) |  | Scale |
| Systematic\_data | BB | Participants who produced systematic data on the discounting task according to a rule recommended by Johnson & Bickel (2008) | 0 = unsystematic 1 = systematic | Nominal |
| k | BC | Hyperbolic discount function parameter |  | Scale |
| Ln(k) | BD | Natural log of the hyperbolic discount function parameter |  | Scale |
| r | BE | Exponential discount function parameter |  | Scale |
| Ln(r) | BF | Natural log of the exponential discount function parameter |  | Scale |
| 1D\_CLARITY | BG | Participant’s rating of the clarity with which the 1 day away event was recalled / imagined  |  | Scale (1-6) |
| 1D\_EMOTION | BH | Participant’s rating of the emotional valence felt when the 1 day away event was recalled / imagined |  | Scale (1-7) |
| 1D\_SPEED | BI | Speed with which participants judge that the 1 day away event came to mind |  | Scale (1-3) |
| 3D\_CLARITY | BJ | Participant’s rating of the clarity with which the 3 day away event was recalled / imagined  |  | Scale (1-6) |
| 3D\_EMOTION | BK | Participant’s rating of the emotional valence felt when the 3 day away event was recalled / imagined |  | Scale (1-7) |
| 3D\_SPEED | BL | Speed with which participants judge that the 3 day away event came to mind |  | Scale (1-3) |
| 1W\_CLARITY | BM | Participant’s rating of the clarity with which the 1 week away event was recalled / imagined  |  | Scale (1-6) |
| 1W\_EMOTION | BN | Participant’s rating of the emotional valence felt when the 1 week away event was recalled / imagined |  | Scale (1-7) |
| 1W\_SPEED | BO | Speed with which participants judge that the 1 week away event came to mind |  | Scale (1-3) |
| 3W\_CLARITY | BP | Participant’s rating of the clarity with which the 3 week away event was recalled / imagined  |  | Scale (1-6) |
| 3W\_EMOTION | BQ | Participant’s rating of the emotional valence felt when the 3 week away event was recalled / imagined |  | Scale (1-7) |
| 3W\_SPEED | BR | Speed with which participants judge that the 3 week away event came to mind |  | Scale (1-3) |
| 3M\_CLARITY | BS | Participant’s rating of the clarity with which the 3 month away event was recalled / imagined  |  | Scale (1-6) |
| 3M\_EMOTION | BT | Participant’s rating of the emotional valence felt when the 3 month away event was recalled / imagined |  | Scale (1-7) |
| 3M\_SPEED | BU | Speed with which participants judge that the 3 month away event came to mind |  | Scale (1-3) |
| Internal\_1D | BV | Number of internal details (Levine et al., 2002) recalled by participant for the 1 day away event |  | Scale |
| Internal\_3D | BW | Number of internal details (Levine et al., 2002) recalled by participant for the 3 day away event |  | Scale |
| Internal\_1W | BX | Number of internal details (Levine et al., 2002) recalled by participant for the 1 week away event |  | Scale |
| Internal\_3W | BY | Number of internal details (Levine et al., 2002) recalled by participant for the 3 week away event |  | Scale |
| Internal\_3M | BZ | Number of internal details (Levine et al., 2002) recalled by participant for the 3 month away event |  | Scale |