

# Kirby Delay-Discounting Task

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title</b>                                    | Kirby Delay-Discounting Task                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Domain</b>                                   | Self-Regulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Type</b>                                     | Behavioral                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Duration (min)</b>                           | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>                              | Subjects choose between smaller immediate monetary rewards and larger delayed ones. 27 items divided in to three groups by the size of the larger amount (small, medium, large).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>OSF Link</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Adult/Child</b>                              | adult                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Computerized</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Identified</b>                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Identified Description</b>                   | <p>The Kirby delay-discounting task (DDT) is a traditional measure of temporal discounting, or the tendency for people to prefer smaller immediate monetary rewards over larger delayed rewards. Subjects complete a series of 27 questions that pit a smaller, immediate reward (e.g., \$25 today) or a larger, later reward (e.g., \$35 in 25 days). Various modeling techniques have been used to fit the function that relates discount to time. Steeper discounting curves are related to many “real-world” maladaptive behaviors like drug abuse, gambling, and obesity (reviewed in Odum, 2011). This supports the proposal that the smaller, sooner reward is the “impulsive” choice and the larger later reward is the “self-controlled” or self-regulated choice (Ainslie, 1974). The main dependent measure of interest is the steepness of the discounting curve, which captures of the rate of temporal discounting.</p> |
| <b>Identified Supporting Documentation</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Identified PMCID, PUBMED ID, or CITATION</b> | Text Citation: Kirby, K. N., & Maraković, N. N. (1996). Delay-discounting probabilistic rewards: Rates decrease as amounts increase. <i>Psychonomic Bulletin &amp; Review</i> , 3(1), 100-104.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Measured</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Measured Description</b>                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Description                                       |                                                   |
|---------------------------------------------------|---------------------------------------------------|
| Measured<br>Supporting<br>Documentation           |                                                   |
| Measured<br>PMCID,<br>PUBMED ID, or<br>CITATION   |                                                   |
| Influenced                                        |                                                   |
| Influenced<br>Description                         |                                                   |
| Influenced<br>Supporting<br>Documentation         |                                                   |
| Influenced<br>PMCID,<br>PUBMED ID, or<br>CITATION |                                                   |
| Outcome<br>(Validated vs<br>Invalidated)          |                                                   |
| Outcome                                           |                                                   |
| Outcome<br>Description                            |                                                   |
| Outcome<br>Supporting<br>Documentation            |                                                   |
| Outcome<br>PMCID,<br>PUBMED ID, or<br>CITATION    |                                                   |
| Owner                                             | Teon Brooks<br><a href="#">Send email to Teon</a> |