Estimation

## Choose an Estimation Method

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| **Traditional** | **Agile** |
| **Analogous Estimating**  Compare the current project to a similar project to generate estimate measures for parameters such as:   * Cost * Budget * Scope * Duration | **Story Point Estimating**  Represents relative or comparative effort (not time).   * Numbering based on the Fibonacci sequence 0, 1, 2, 3, 5, 8, 13, 21, 34, 55. * Or linked to T-shirt sizing of XS, S, M, L, XL. |
| **Three-point Estimating**  Take three measures of the task:   * My best guess (or most likely) (m) * Optimistic estimate (o) * Pessimistic estimate (p)   Add these numbers and divide them by three. | **Ideal Time Estimating**  Number of hours to complete if team member works exclusively on it without including any time spent on other activities. |

## Define Estimation Criteria

### Example 1.

*The scenario listed below is for a Fruit Basket Preparation Team. The User Story estimates are t-shirt sizes, which also have a corresponding Fibonacci Sequence. Size XS-1 would be considered the lowest effort item.*

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| --- | --- | --- |
| T-Shirt Size | Story Point Value | Examples |
| XS | 1 | No cleaning, no cutting (e.g., full banana on stick) |
| S | 2 | No cleaning, cutting (e.g., cut pineapple into chunks) |
| M | 3 | Cleaning or peeling, cutting (e.g., peel kiwi and cut into stars) |
| L | 5 | Cleaning, cutting, or multiple tool usage (e.g., cutting strawberries into roses, putting on stick and dipping in chocolate) |
| XL | 8 | Creating a full stem flower with multiple fruit options and dips |
| Epic | 21 | Creating a complete basket |

### Example 2.

*The scenario listed below is for a Training Department. The User Story sizing estimates on t-shirt sizes, which also have a corresponding Fibonacci Sequence. Size XS-1 would be considered the lowest effort item and XXL-13 the largest effort item. `*

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| T-Shirt Size | Story Point Value | Examples |
| XS | 1 | Create a program description, title, attendance tracker, or email |
| S | 2 | Create a program outline, objectives, 1 activity, template |
| M | 3 | Create a slide deck for program without speaker notes, Create a 1–3-page participant handout |
| L | 5 | Create a slide deck for program with speaker notes, Create a 4–20-page participant handout |
| XL | 8 | Create a trainer guide, Create a 21–50-page participant handout |
| XXL | 13 | Create program package for 1 day or less training (Package includes: Program Summary document, welcome email, slide deck without speaker notes, 1–5-page participant handout, thank you email) |
| Epic | 21 | Create a new program |

### Template

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| --- | --- | --- |
| T-Shirt Size | Story Point Value | Examples |
| XS |  |  |
| S |  |  |
| M |  |  |
| L |  |  |
| XL |  |  |
| XXL |  |  |
| Epic |  |  |

## Estimation Steps