

Schedule Risk Quick Reference Card

Schedule Risk Procedure

1. Structure Schedule



2. Test Schedule Integrity



3. Determine Each Task's Defining Distribution Parameters



4. Input into Analysis Software



5. Analyze Output

Procedure

1. Structure schedule

- Determine
 - Tasks
 - Task durations
 - Connectivity between tasks

2. Test integrity of schedule

- Create filters in project management software
- Use COTS diagnostic software
 - Schedule Wizard
 - Schedule Detective
- Remove schedule constraints

3. Determine defining distribution for each task duration

- Determine the parameters that define the distribution
 - If the chosen distribution is triangular (most common), choose optimistic, most likely and pessimistic values

4. Input the above data into Schedule Risk Analysis Software

- @Risk for Project
- Risk+
 - Choose number of iterations desired

5. Analyze output

- Dates associated with percentiles of interest
- Expected completion date and its confidence intervals
- Criticality index for activities that are most critical
- Histogram data

Schedule Risk Quick Reference Card

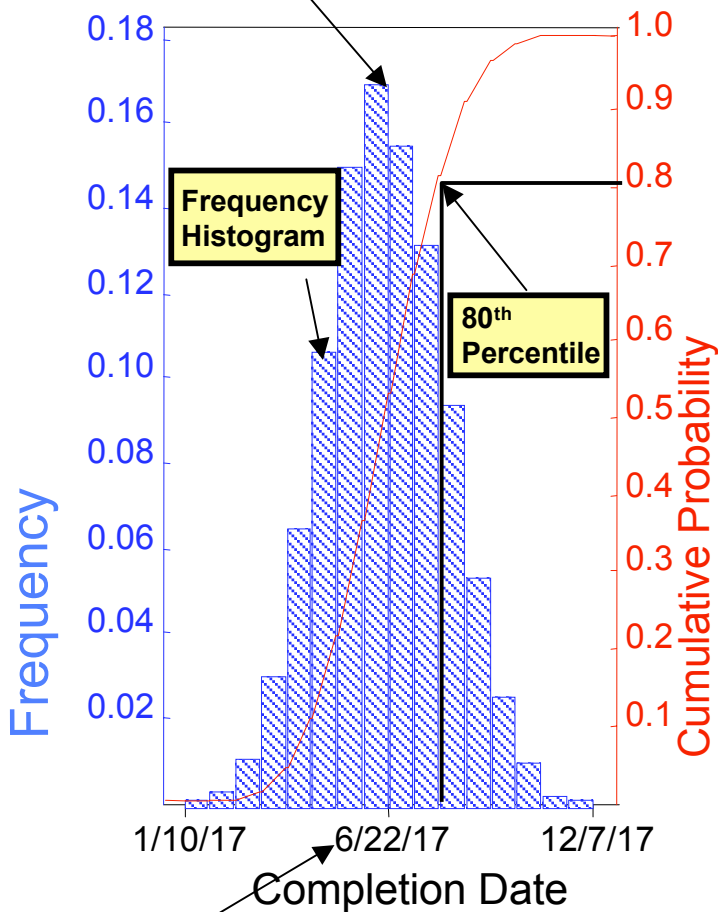
Schedule Risk Procedure

Name: SmallSat
 Unique ID: 30
 Samples: 10000

Legend

Completion Std. Deviation:
 34.3
 95% Confidence Interval: 0.67
 days
 Each bar represents 15 days

Most Likely
 Completion Date



Completion Probability Table

Prob	Date	Prob	Date
0.05	4/6/17	0.55	6/28/17
0.10	4/21/17	0.60	7/5/17
0.15	5/3/17	0.65	7/12/17
0.20	5/12/17	0.70	7/19/17
0.25	5/22/17	0.75	7/26/17
0.30	5/29/17	0.80	8/3/17
0.35	6/2/17	0.85	8/14/17
0.40	6/9/17	0.90	8/24/17
0.45	6/15/17	0.95	9/12/17
0.50	6/22/17	1.00	12/7/17

Average Completion
 Date

Explanatory Text

Tabular View of S
 Curve

At the 80th percentile, the associated date, 8/3/17, is the point at which 80% of all iterative occurrences fall either on or before that date