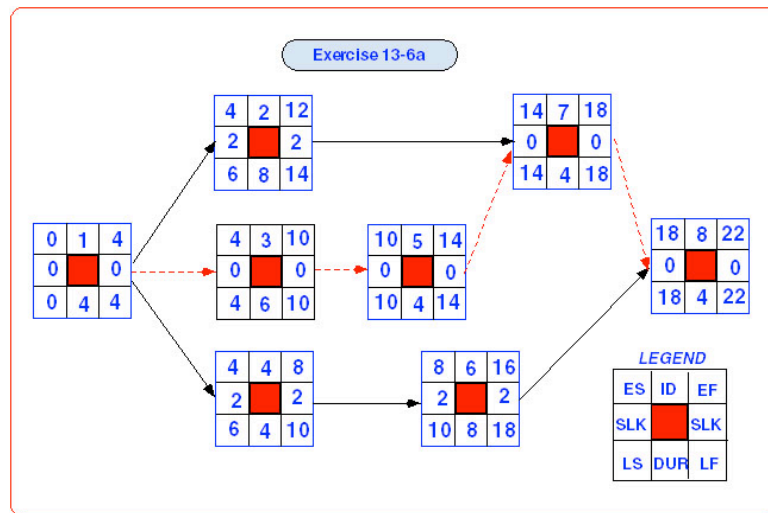


The following data have been collected for a British health care IT project for two-week reporting periods 2 through 12. Compute the SV, CV, SPI, and CPI for each period. Plot the EV and the AC on the summary graph provided. Plot the SPI, CPI and PCI-B on the index graph provided. (You may use your own graphs.) What is your assessment of the project at the end of period 12?



| Exercise 13-6b | | | | | | Baseline (PV) (00\$) | | | | | | | | | | | | | | | | |
|---------------------|------|----|----|-------|--------------|-------------------------|---|----|----|-----|-----|-----|-----|-----|-----|-----|----|--|--|--|--|--|
| Task | Dur. | ES | LF | Slack | PV (00\$) | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | | | | | |
| 1 | 4 | 0 | 4 | 0 | 8 | 4 | 4 | | | | | | | | | | | | | | | |
| 2 | 8 | 4 | 14 | 2 | 40 | | | 10 | 10 | 10 | 10 | | | | | | | | | | | |
| 3 | 6 | 4 | 10 | 0 | 30 | | | 10 | 15 | 5 | | | | | | | | | | | | |
| 4 | 4 | 4 | 10 | 2 | 20 | | | 10 | 10 | | | | | | | | | | | | | |
| 5 | 4 | 10 | 14 | 0 | 40 | | | | | | 20 | 20 | | | | | | | | | | |
| 6 | 8 | 8 | 18 | 2 | 60 | | | | | 20 | 20 | 10 | 10 | | | | | | | | | |
| 7 | 4 | 14 | 18 | 0 | 20 | | | | | | | | 10 | 10 | | | | | | | | |
| 8 | 4 | 18 | 22 | 0 | 30 | | | | | | | | | | 20 | 10 | | | | | | |
| Period PV Total | | | | | | 4 | 4 | 30 | 35 | 35 | 50 | 30 | 20 | 10 | 20 | 10 | | | | | | |
| Cumulative PV Total | | | | | | 4 | 8 | 38 | 73 | 108 | 158 | 188 | 208 | 218 | 238 | 248 | | | | | | |

STATUS REPORT: ENDING PERIOD 2

| Task | %Complete | EV | AC | PV | CV | SV |
|--------------------------|------------------|-----------|-----------|-----------|-----------|-----------|
| 1 | 50 % | 4 | 4 | 4 | 0 | 0 |
| Cumulative Totals | | 4 | 4 | 4 | 0 | 0 |

STATUS REPORT: ENDING PERIOD 4

| Task | %Complete | EV | AC | PV | CV | SV |
|--------------------------|------------------|-----------|-----------|-----------|-----------|-----------|
| 1 | Finished | 8 | 10 | 8 | -2 | 0 |
| Cumulative Totals | | 8 | 10 | 8 | -2 | 0 |

STATUS REPORT: ENDING PERIOD 6

| Task | %Complete | EV | AC | PV | CV | SV |
|--------------------------|------------------|-----------|-----------|-----------|-----------|------------|
| 1 | Finished | 8 | 10 | 8 | -2 | 0 |
| 2 | 25% | 10 | 15 | 10 | -5 | 0 |
| 3 | 33 % | 10 | 12 | 10 | -2 | 0 |
| 4 | 0% | 0 | 0 | 10 | 0 | -10 |
| Cumulative Totals | | 28 | 37 | 38 | -9 | -10 |

STATUS REPORT: ENDING PERIOD 8

| Task | %Complete | EV | AC | PV | CV | SV |
|--------------------------|------------------|-----------|-----------|-----------|------------|------------|
| 1 | Finished | 8 | 10 | 8 | -2 | 0 |
| 2 | 30 % | 12 | 20 | 20 | -8 | -8 |
| 3 | 60 % | 18 | 25 | 25 | -7 | -7 |
| 4 | 0 % | 0 | 0 | 20 | 0 | -20 |
| Cumulative Totals | | 38 | 55 | 73 | -17 | -35 |

STATUS REPORT: ENDING PERIOD 10

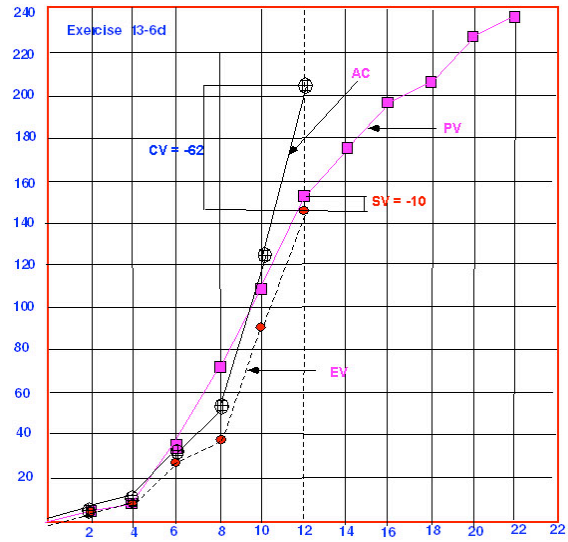
| Task | %Complete | EV | AC | PV | CV | SV |
|--------------------------|------------------|-----------|------------|------------|------------|------------|
| 1 | Finished | 8 | 10 | 8 | -2 | 0 |
| 2 | 60 % | 24 | 30 | 30 | -6 | -6 |
| 3 | Finished | 30 | 40 | 30 | -10 | 0 |
| 4 | 50 % | 10 | 20 | 20 | -10 | -10 |
| 5 | 0 % | 0 | 0 | 0 | 0 | 0 |
| 6 | 30% | 18 | 24 | 20 | -6 | -2 |
| Cumulative Totals | | 90 | 124 | 108 | -34 | -18 |

STATUS REPORT: ENDING PERIOD 12

| Task | %Complete | EV | AC | PV | CV | SV |
|--------------------------|------------------|------------|------------|------------|------------|------------|
| 1 | Finished | 8 | 10 | 8 | -2 | 0 |
| 2 | Finished | 40 | 50 | 40 | -10 | 0 |
| 3 | Finished | 30 | 40 | 30 | -10 | 0 |
| 4 | Finished | 20 | 40 | 20 | -20 | 0 |
| 5 | 50 % | 20 | 30 | 20 | -10 | 0 |
| 6 | 50% | 30 | 40 | 40 | -10 | -10 |
| Cumulative Totals | | 148 | 210 | 158 | -62 | -10 |

| Period | SPI | CPI | PCIB |
|---------------|---------------|---------------|---------------|
| 2 | 4/4 = 1.0 | 4/4 = 1.0 | 4/248 = .02 |
| 4 | 8/8 = 1.0 | 8/10 = .80 | 8/248 = .03 |
| 6 | 28/38 = .74 | 28/37 = .76 | 28/248 = .11 |
| 8 | 38/73 = .52 | 38/55 = .69 | 38/248 = .15 |
| 10 | 90/108 = .83 | 90/124 = .73 | 90/248 = .36 |
| 12 | 148/158 = .94 | 148/210 = .70 | 148/248 = .60 |

SPI = EV/PV
CPI = EV/AC
PCIB = EV/BAC



Indexes
Periods 2-12

