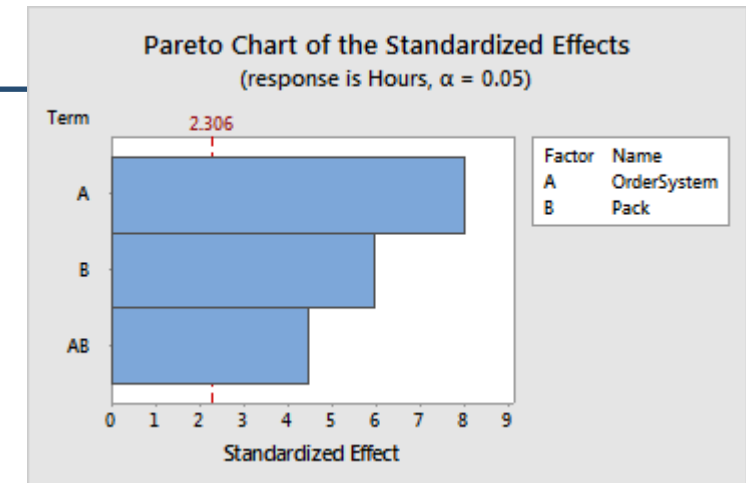


DOE ч.1

- 1 Особливості та принципи експериментів
- 2 Етапи планування та реалізації експерименту
- 3 Повний факторний аналіз - Full factorial Analysis
- 4 Практичні приклади в Minitab



| | C1 | C2 | C3 | C4 | C5-T | C6-T | C7 |
|----|----------|----------|----------|--------|-------------|------|----|
| | StdOrder | RunOrder | CenterPt | Blocks | OrderSystem | Pack | |
| 1 | 2 | 1 | 1 | 1 | Current | A | |
| 2 | 11 | 2 | 1 | 1 | New | B | |
| 3 | 4 | 3 | 1 | 1 | Current | B | |
| 4 | 3 | 4 | 1 | 1 | New | B | |
| 5 | 1 | 5 | 1 | 1 | New | A | |
| 6 | 12 | 6 | 1 | 1 | Current | B | |
| 7 | 10 | 7 | 1 | 1 | Current | A | |
| 8 | 7 | 8 | 1 | 1 | New | B | |
| 9 | 6 | 9 | 1 | 1 | Current | A | |
| 10 | 8 | 10 | 1 | 1 | Current | B | |
| 11 | 5 | 11 | 1 | 1 | New | A | |
| 12 | 9 | 12 | 1 | 1 | New | A | |

DOE ч.2

- 1 Дробний факторний аналіз (1/2; 1/4) - Fractional Factorial Analysis
- 2 Split-plot експеримент (один фактор незмінний)
- 3 Практичні приклади в Minitab

Create Factorial Design: Display Available Designs

Available Factorial Designs (with Resolution)

| Run | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 4 | Full | III | | | | | | | | | | | | |
| 8 | | Full | IV | III | III | III | | | | | | | | |
| 16 | | | Full | V | IV | IV | IV | III | III | III | III | III | III | III |
| 32 | | | | Full | VI | IV | IV | IV | IV | IV | IV | IV | IV | IV |
| 64 | | | | | Full | VII | V | IV | IV | IV | IV | IV | IV | IV |
| 128 | | | | | | Full | VIII | VI | V | V | IV | IV | IV | IV |

Available Resolution III Plackett-Burman Designs

| Factors | Runs | Factors | Runs | Factors | Runs |
|---------|--------------------|---------|--------------------|---------|----------|
| 2-7 | 12,20,24,28,...,48 | 20-23 | 24,28,32,36,...,48 | 36-39 | 40,44,48 |
| 8-11 | 12,20,24,28,...,48 | 24-27 | 28,32,36,40,44,48 | 40-43 | 44,48 |
| 12-15 | 20,24,28,36,...,48 | 28-31 | 32,36,40,44,48 | 44-47 | 48 |
| 16-19 | 20,24,28,32,...,48 | 32-35 | 36,40,44,48 | | |

Help OK