

# Subjective Assessment Methods for assessing Ergonomic Issues

## Questionnaires vs. Interviews

### ❖ Interviews:

- ❖ pros - dynamic, flexible structure, rich data

- ❖ cons - time consuming, expensive, often badly conducted, difficulties in comparing results.

### ❖ Questionnaires

- ❖ pros - structured, time efficient, easy comparisons, detailed data

- ❖ cons - no flexibility, GIGO

## Recording responses

### ❖ Ranking methods

### ❖ Rating methods

- ❖ Simple rating scales

- ❖ Paired comparisons technique

- ❖ Equal-appearing intervals methods

- ❖ Summated ratings methods

### ❖ Semantic differential technique

### ❖ Repertory grids

## Questionnaire sequencing

### ❖ Prologue - introduction, instructions

### ❖ Information section

- ❖ background information, specific job details

### ❖ Conceptual core section

### ❖ Classification section

- ❖ personal information

### ❖ Epilogue - thanks, final instructions

## Critical Incidents

- ❖ Analysis of 'near miss' incidents.

- ❖ Usually used with small groups.

- ❖ Most often used to analyze relatively rare events.

## Checklists

- ❖ Quick, structured data collection method widely used in

ergonomics.

- ❖ Often collect superficial data.
- ❖ List serves as 'aides-memoire'.
- ❖ Relatively easy to create and administer.