

Challenging Students to Address Problems in Resource Limited Societies

Santosh Jagtap

Product Development Research Lab

Department of Mechanical Engineering

Blekinge Institute of Technology

Sweden

LRSs

Multidimensional problems

Subject of research in many disciplines

Problem solving processes

HRSs vs. LRSs

Little knowledge

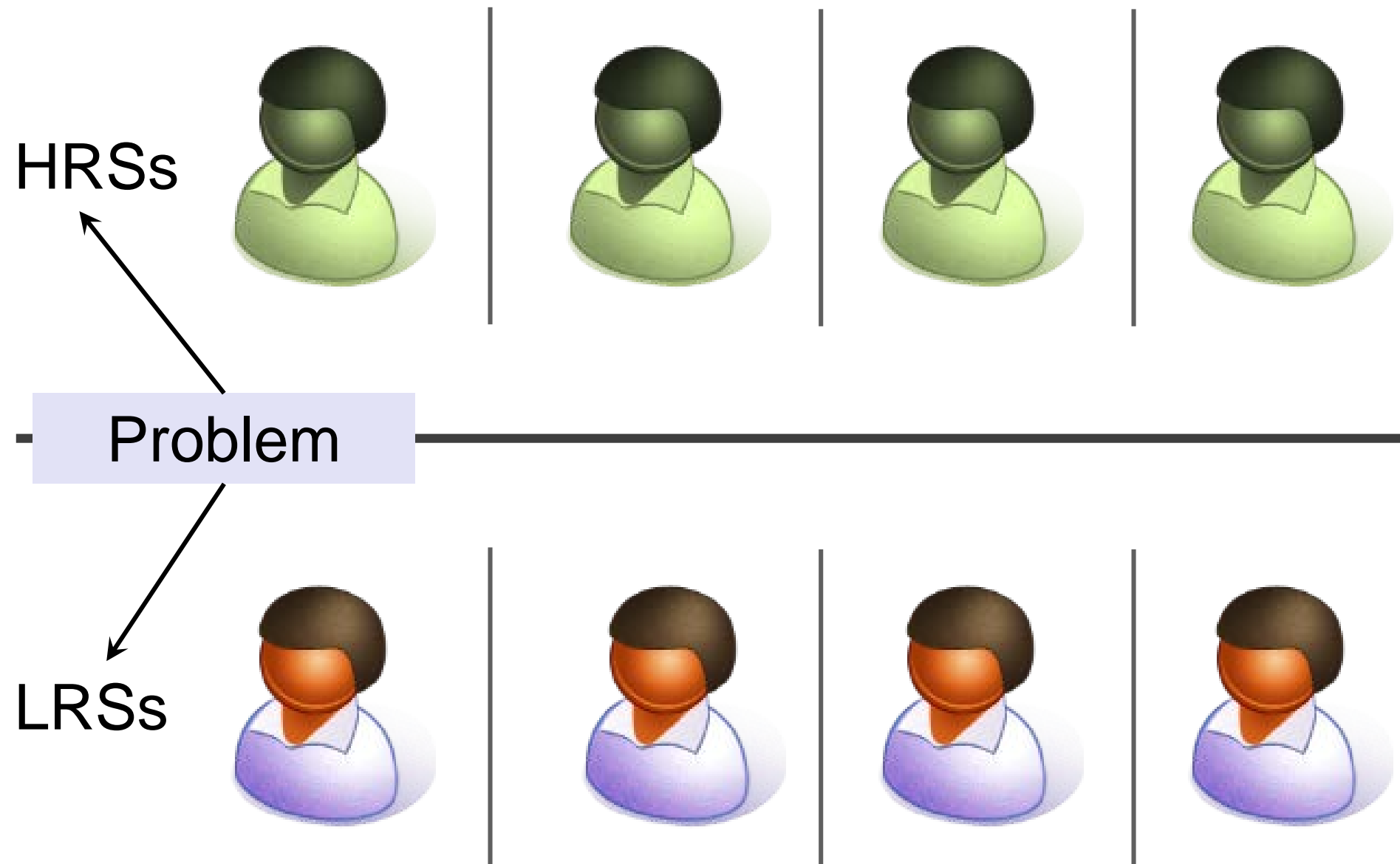
Research aim

To explore the differences between problem-solving processes of university students (HRSs vs. LRSs)

Research method

Verbal protocol analysis

Experimental design



Research method

1

Think aloud

2

Transcription

3

Segmentation

4

Coding

Think aloud



Video camera

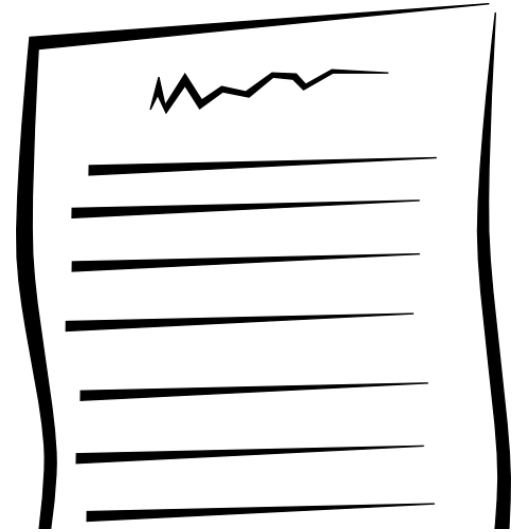


Audio recorder

Transcription

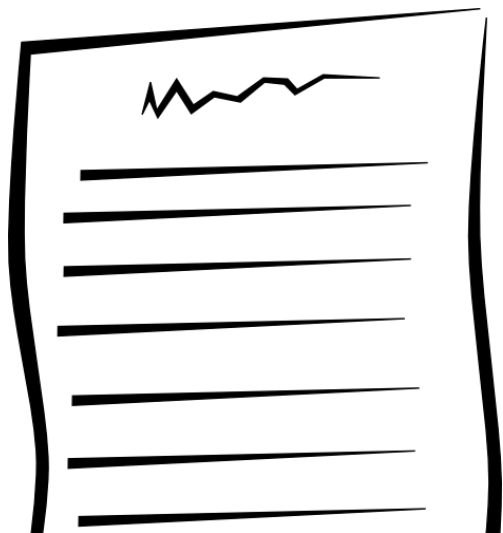


Audio recordings



Transcripts

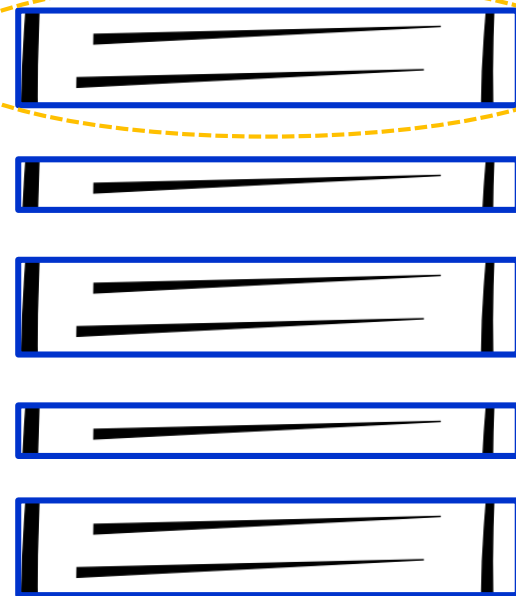
Segmentation



Transcripts



A single thought,
expression, or idea



Segments

4

Coding

A

Requirements

C

Information

B

Solution

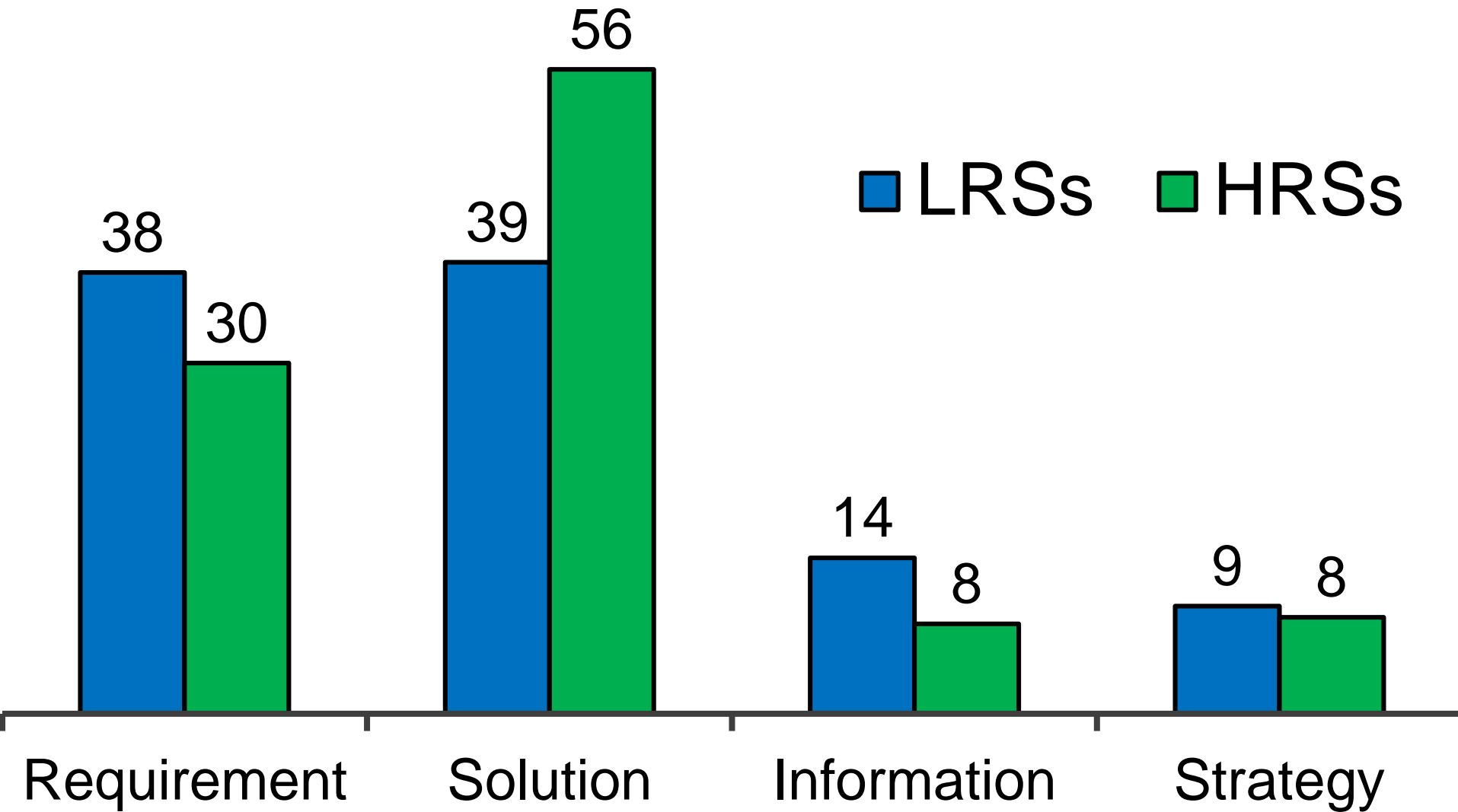
D

Strategy

Findings

Descriptive Statistics

Average % of segments



Requirements

Repetition and evaluation

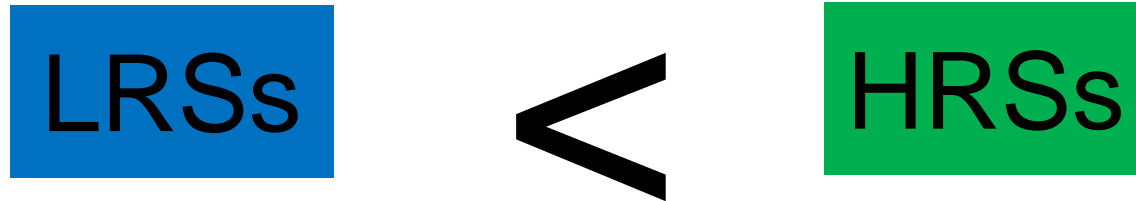
LRSs

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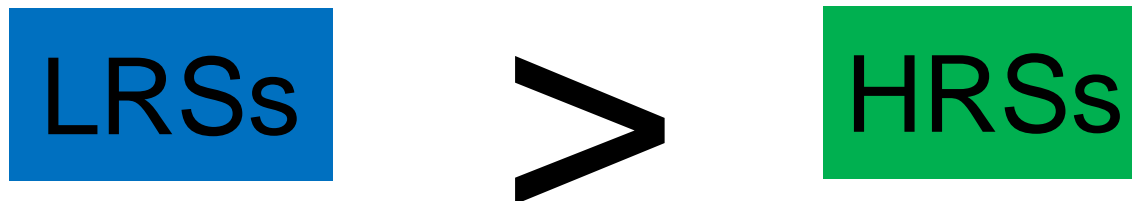
HRSs

Information

Assume



Ask

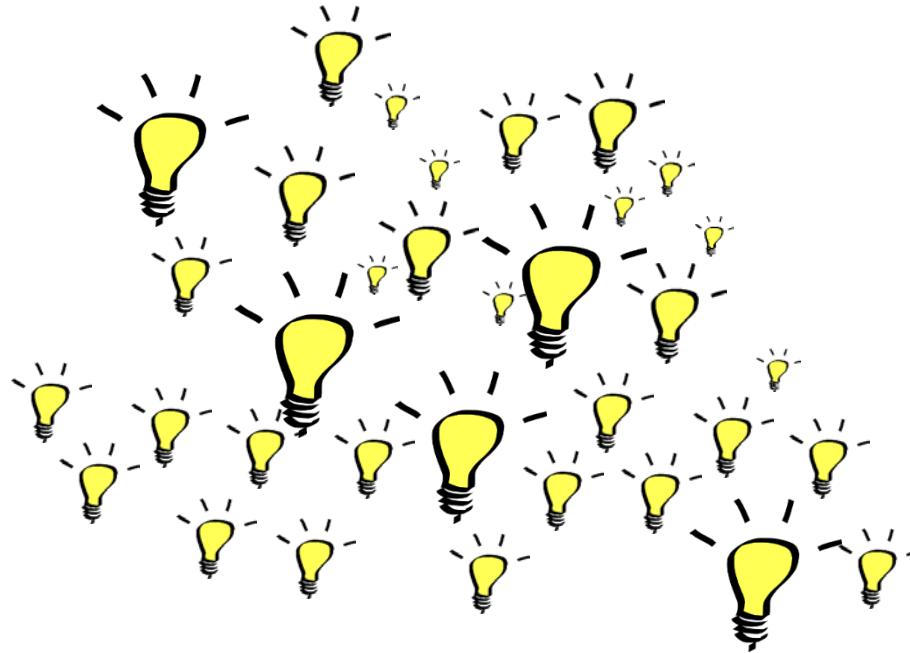


LRSs session



Conclusions

HRSs session



Conclusions

Opportunities for students – LRSs projects

Unfamiliar contexts

Information-intensive

Supervision of LRSs projects

More time in problem understanding

Thank you