ISO/IEC TR 20748-2:2017-08 (E)

Information technology for learning, education and training - Learning analytics interoperability - Part 2: System requirements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Abbreviated terms 3

5 Issues and concerns 3
5.1 General 3
5.2 Accessibility 4
5.3 Interoperability 4
5.4 Privacy 5
5.5 Identity federation 5
5.6 Data life cycle 5

6 System requirements 5
6.1 General 5
6.2 Privacy policy 6
6.3 Data protection 7
6.4 Learning and teaching activity 8
6.5 Data collection 8
6.5.1 General 8
6.5.2 Accessibility 8
6.5.3 Aggregation/integration of data 8
6.5.4 Data interoperability 9
6.5.5 Data flow and exchange 9
6.6 Data processing and storing 9
6.6.1 General 9
6.6.2 Data storing 9
6.6.3 Data translating/filtering 10
6.7 Analysing 10
6.7.1 General 10
6.7.2 Privacy 10
6.7.3 Analysis interface 10
6.7.4 Scalability for data input 10
6.8 Visualization 11
6.8.1 General 11
6.8.2 Accessibility 11
6.8.3 Privacy 11
6.8.4 Data interface 11
6.9 Feedback actions 11
6.9.1 General 11
6.9.2 Analysis query interface 12
6.9.3 Data interpretation and response 12

Bibliography 13