

<b>Critical element</b>	<b>How assignment addresses element</b>	<b>Achieved?</b>
<b>Challenging</b>	Use real word (messy) data supplied by partner in industry. Set open-ended questions. Students must have systematic understanding of all multivariate methods taught, and must evaluate which to use. Some tasks require student to research independently.	Yes
<b>Produce outcomes</b>	Students produce a report for company scientists (specialist) and a summary for management (non-specialist).	Yes
<b>Simulate, measure real-world test of ability</b>	Mimics work-place project with real-world data (with possible data errors etc) and need for written reports. Independently researching a new topic demonstrates a real-world skill.	Partly
<b>Transfer of learning</b>	Students use and apply knowledge from the whole ST4MVA module and report writing resources (supplied). Skills of analysis, evaluation and communication are transferable for future tasks/employment.	Yes
<b>Critical reflection</b>	Students meet with module convenor partway through the task, to reflect on progress and verbally discuss their chosen approach.	Yes
<b>Discussion and feedback</b>	Early feedback and discussion at meeting (see above). Feedback and evaluation after completion.	Yes
<b>Collaboration</b>	Can easily be incorporated when sufficient students enrol for this module	Potentially

Source:

Abery, J. (2023). Designing an authentic assessment tailored specifically for Part 4 students. T&L Exchange, 14 August. <https://sites.reading.ac.uk/t-and-l-exchange/2023/08/14/designing-an-authentic-assessment-tailored-specifically-for-part-4-students/>