

# Student-centric Dashboard for Attendance Analytics

Author  
Aron E Owen  
rnw18j cq@bangor.ac.uk

Supervisor  
Dr. Cameron C. Gray  
c.gray@bangor.ac.uk

## Introduction

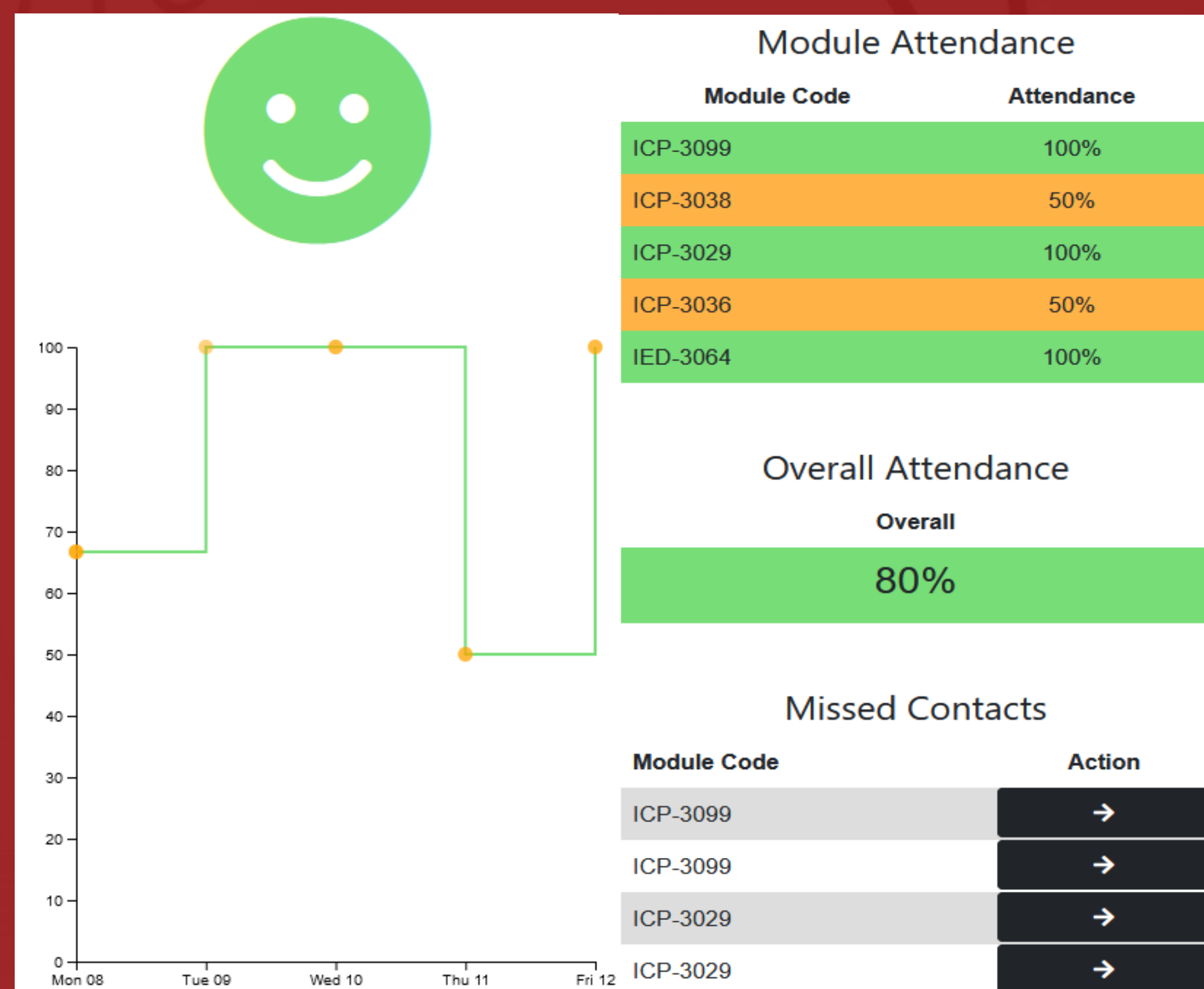
Learning Analytics (LA) is an exciting and innovative field. They are helping to Improve students' experience in higher education [1]. Attendance is a crucial aspect of higher education to ensure students benefit from as much knowledge as possible during their studies. Tracking attendance is currently an exciting topic due to its widespread effect. This project looks at giving all students a dashboard that presents a concise overview of their attendance. It is key that the dashboard delivers a clear message on student performance while maintaining design practices [2, 3]



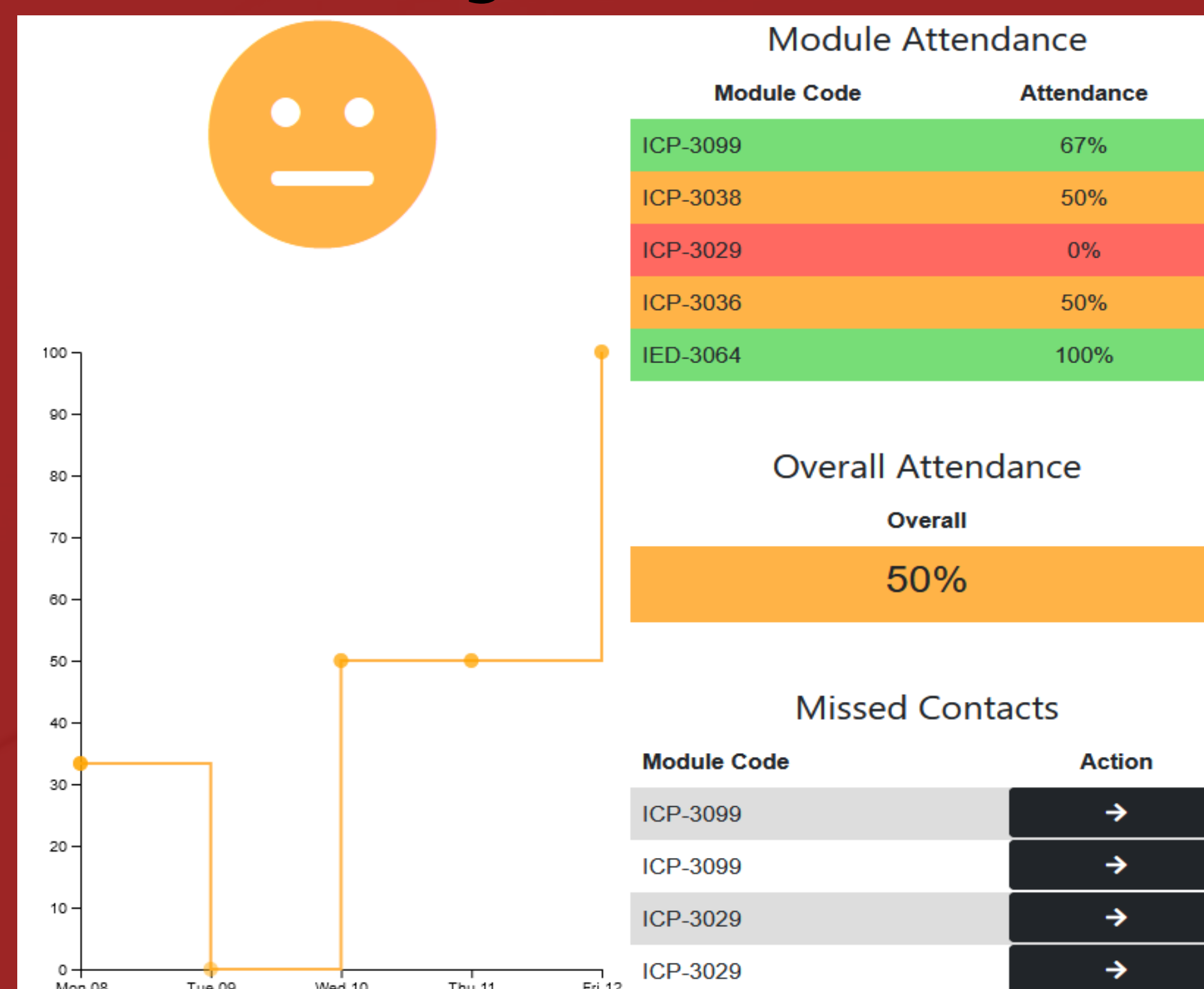
## Problem and Solution

Getting an email about missing contacts or feeling overwhelmed and unable to attend lectures is a challenging situation to experience. When students have missed a substantial amount of contacts, a common opinion is "what is the point" or "I will just watch it on Panopto". Current dashboards focus on an overall perspective. This project looks at weekly attendance with options to dive deeper into personal attendance, allowing students to notice substantial improvements day to day rather than small incremental improvements [4].

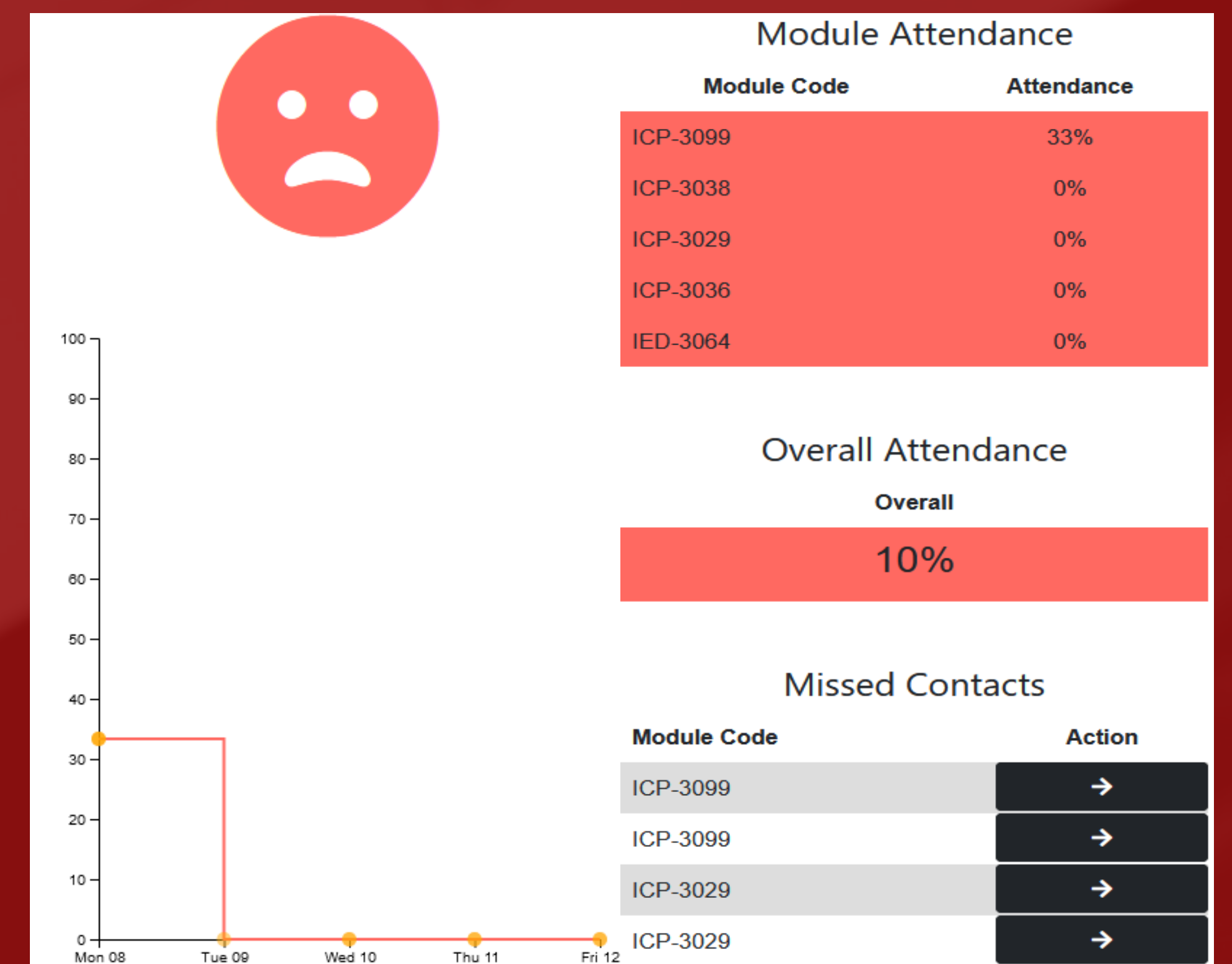
## Good Attendance



## Average Attendance



## Poor Attendance



[1] N. Sclater, A. Peasgood and J. Mullan, 'Learning analytics in higher education,' 2016.

[2] B. Sniderman, Shneiderman's "eight golden rules of interface design".

[3] S. Krug, Don't Make Me Think: A Common Sense Approach to Web Usability. 2005.

[4] H. Yahya and A. Rina, International Journal of Asian Social Science. 2013 (p. 1908).