

The Extent to Which the Determinants Explain the Usage of Cloud Computing

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ABSTRACT The paper aims to determine the extent to which the constructs of Technology Acceptance Model, explain the usage of Cloud computing. Forty-eight males and sixty-eight females were assessed using a 4-point scale based on four main variables of behavioural intention. The data were analysed using the multiple regression analysis. From the Durbin Watson test the R² value of 0.066 was obtained for social influence, which means that social influence accounted for only 7 percent of the variance in behavioural intention scores. Learner demographics accounted for 17 percent of the variance, and experience accounted for 35 percent of the variance. These results show that secondary school learners are keen in trying out Internet devices for learning regardless of their social factors, demographics and experience in using Internet technology. There was a relative influence noted in terms of experience (resulting from persistent use) as a moderating factor towards the adoption of Cloud computing.