Data 605 Week 3 Discussion

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Find the characteristic polynomial of the matrix A =

det( 1 2 3 4 -  
?? 0 0 ??

)

= (1- ?? )\* (4 - ??) - 3 \* 2 = 0 = (1- ?? )\* (4 - ??) - 6= 0 = ??^2 +4+4 ??- ??-6 = 0 = ??^2 -3 ??-2 = 0

Polynomial equation = ??^2 -3 ??-2 = 0