
**ASE2910 Applied Linear Algebra / AUS2910 Fundamental Math for AI
Homework #6**

1) *VMLS Exercises.*

- a) **13.3** *Moore's law.*
- b) **13.5** *Polynomial model with multiple features.*
- c) **13.7** *Data matrix in auto-regressive time series model.*
- d) **13.8** *Fitting an input-output convolution system.*
- e) **14.2** *Interpreting the parameters in a regression classifier.*
- f) **14.4** *Multi-class classifier via matrix least squares.*
- g) **14.6** *Polynomial classifier with one feature.*
- h) **14.7** *Polynomial classifier with two features.*
- i) **14.9** *Nearest neighbor interpretation of multi-class classifier.*
- j) **14.11** *Equalizer design from training message.*