

Homework 2
ECON 4818
Professor Martins

1. Show that if X and Y are independent random variables and $E(Y|X) = E(Y)$.
2. Show that if X and Y are random variables and $E(Y|X) = E(Y)$ then $Cov(X, Y) = 0$.
3. From your textbook, solve problem 10, in Appendix B.
4. From your textbook, solve problems 1, in Appendix C.