Information Theory
Practice Set 13

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Solutions are not to be returned

Notation: Bold letters $\boldsymbol{x}$, $\boldsymbol{y}$ denote sequences or vectors, whereas x, y are scalars. Random vectors are denoted as $\boldsymbol{X}, \boldsymbol{Y}$. Components of $\boldsymbol{x}$ are $x_1, \ldots, x_n$.

Practice Set

1. Exercise problems from textbook:
   7.9,   7.15 (a–h; this is a numerical example related to the random coding argument),   7.37.