

# Correction des exercices du TD3

20 mars 2020

## Exercice 2

$$\begin{aligned}X(\Omega) &= \{1, 2, n\} \\ \mathbb{P}(X = 3) &= \mathbb{P}(A \cap B \cap C) = \frac{1}{4} \\ \mathbb{P}(X = 0) &= \frac{1}{3} \\ \mathbb{P}(X = 1) &= \frac{1}{3} \\ \mathbb{P}(X = 2) &= \frac{1}{6} \\ \mathbb{E}(X) &= \sum_{i=0}^3 i \cdot \mathbb{P}(X = i) = \frac{4}{3}\end{aligned}$$