Page 41. The description of the finite powerset should read as follows (look at the set to see the difference):

Sometimes we care only about the finite subsets of a set, that is

\[ \{ S \subseteq X \mid S \text{ is finite} \}. \]

People sometimes call this ‘the finite powerset’, but that is a bit problematic since this often isn’t itself a finite set.

Page 169. The bottom of the page has some indices that are incorrect. It should read:

\[ \ldots \text{calculate the probability of } A \text{ as} \]

\[
PA = P(A \cap B_1) + P(A \cap B_2) + \cdots + P(A \cap B_n) \quad \text{Def}
\]

\[
= P(A \mid B_1)PB_1 + P(A \mid B_2)PB_2 + \cdots + P(A \mid B_n)PB_n \quad \text{mult law}
\]

\[
= \sum_{i=1}^{n} P(A \mid B_i) \cdot PB_i.
\]