Selected Problems Chapter 2
Introduction to Probability for Data Science
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Problem 2.3. Simplify the following sets.
   (a). $[1,4] \cap ([0,2] \cup [3,5])$
   (b). $([0,1] \cup [2,3])^c$
   (c). $\bigcap_{i=1}^{\infty} (\frac{-1}{n}, \frac{1}{n})$
   (d). $\bigcup_{i=1}^{\infty} [5, 8 - \frac{1}{2^n}]$

   (a). $[1,2] \cup [3,4]$
   (b). $(-\infty, 0) \cup (1,2) \cup (3, \infty)$
   (c).$\{0\}$
   (d).$[5,8)$