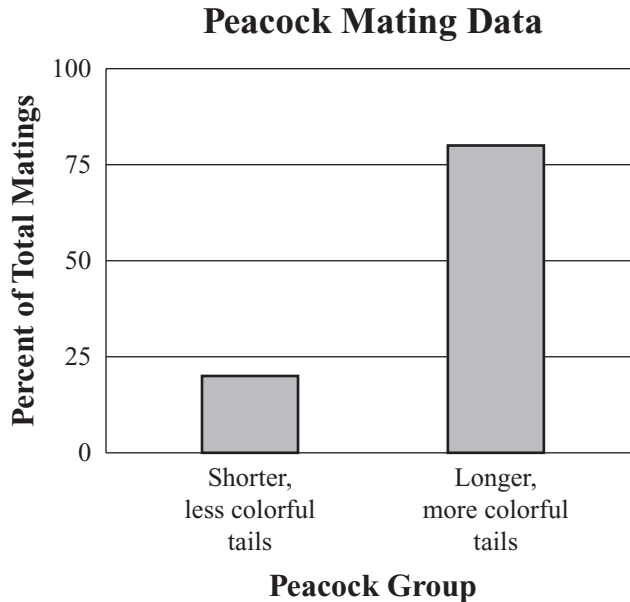


Male peafowl, called peacocks, have long, colorful tail feathers. Among peacocks there is variation in the size, brightness, and pattern of the tail. Scientists observed the mating success of two groups of peacocks. The graph below shows the scientists' data.



- Explain what the data show about the advantage of longer, more colorful tails for peacocks.
- Identify **one** disadvantage that longer, more colorful tails have for peacocks.
- Explain in detail how the longer, more colorful tails evolved in peacocks despite causing disadvantages for the males.