

Born to Run

Introduction

- Scientists conducted an experiment where mice were run on a treadmill (hamster wheel). Mice that had the ability to run for greater amounts of time, and tended to run more often on the wheel, were selectively chosen to be cross bred. The subsequent offspring were then run on the wheel and offspring that tended to run more often and for longer were again chosen to breed. This continued for many generations. In this manner scientists continued to selectively choose and breed mice that preferred to run and ran for longer periods of time.
- These artificially selected mice were compared to random mice (controls) that had not been selectively bred to be runners.
- You will have access to the **eleventh** generation of these selected mice and the **eleventh** generation of the random mice. The data will include the length of the mice's femurs (in millimetres) and their mass (in grams).