

POLITICAL SCIENCE

Sir Edmund Barton was Australia's first PM from 1/1/1901 to 24/9/1903. Barton was born on **18 January 1849**.

Paul Keating was Australia's 29th PM from 20/12/1991 to 11/3/1996. Keating was born on **18 January 1944**.

Both Barton and Keating were born on 18 January.

If you have 29 people whose birthdays are chosen at random, then the probability that at least 2 of them have the same birthday is 0.68.

This is calculated by

$$1 - \left(\frac{365}{365} \cdot \frac{364}{365} \cdot \frac{363}{365} \cdot \dots \cdot \frac{337}{365} \right) = 0.6809$$

So, it is not surprising that these two distinguished Australians had the same birthday.