

Pensieve header: Per-class Evil Virus risk assessment.

Numbers as of July 29, 2020.

```
In[ ]:= P = 2.93 * 106; (* Population of Toronto *)
n = 30; (* Daily EV cases in Toronto (rough average of last 7 days *)
d = 56; (* number of Ontario deaths for males 50-59, from [1] *)
c = 2771; (* number of Ontario cases for males 50-59, from [1] *)
a = 2; (* Adjustment to mortality rate due to the risk of serious disability *)
f = 0.5; (* Fraction of the risk to me that can be attributed to teaching *)
Y = 30; (* My expected remaining lifetime years, disregarding EV *)
M = 365 * 24 * 60 * Y; (* My expected remaining lifetime minutes, disregarding EV *)
R =  $\frac{f a d n M}{c P}$ 
(* Reduction in minutes to my adjusted life expectancy due to teaching one class. *)
```

Out[ ]:= 3.26273

If  $R$  is close to 60, I may refuse teaching, on selfish grounds.

References.

[1] <https://www.publichealthontario.ca/en/data-and-analysis/infectious-disease/covid-19-data-surveillance/covid-19-data-tool>.

Numbers as of September 24, 2020.

```
In[ ]:= P = 2.93 * 106; (* Population of Toronto *)
n = 191; (* Daily EV cases in Toronto (rough average of last 7 days *)
d = 56; (* number of Ontario deaths for males 50-59, from [1] *)
c = 2771; (* number of Ontario cases for males 50-59, from [1] *)
a = 2; (* Adjustment to mortality rate due to the risk of serious disability *)
f = 0.5; (* Fraction of the risk to me that can be attributed to teaching *)
Y = 30; (* My expected remaining lifetime years, disregarding EV *)
M = 365 * 24 * 60 * Y; (* My expected remaining lifetime minutes, disregarding EV *)
R =  $\frac{f a d n M}{c P}$ 
(* Reduction in minutes to my adjusted life expectancy due to teaching one class. *)
```

Out[ ]:= 20.7727