A sample article title

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Abstract

Keywords: sample; article; author

Content

Text and results for this section, as per the individual journal's instructions for authors. Here, we reference the figure 1 and figure 2 but also the table 1.

Section title

Text for this section...

In this section we examine the growth rate of the mean of Z_0, Z_1 and Z_2. In addition, we examine a common modeling assumption and note the importance of considering the tails of the extinction time T_x in studies of escape dynamics. We will first consider the expected resistant population at vT_x for some $v > 0$, (and temporarily assume $\alpha = 0$)

$$E\big[Z_1(vT_x)\big] = \int_0^{v \wedge 1} Z_0(uT_x) \exp(\lambda_1) \, du.$$

If we assume that sensitive cells follow a deterministic decay $Z_0(t) = xe^{\lambda_0 t}$ and approximate their extinction time as $T_x \approx -\frac{1}{\lambda_0} \log x$, then we can heuristically estimate the expected value as
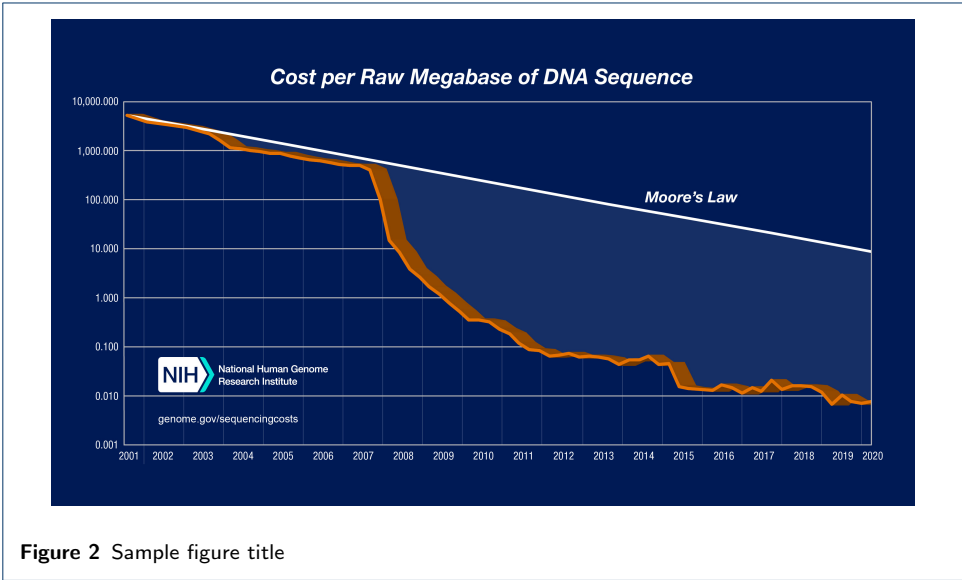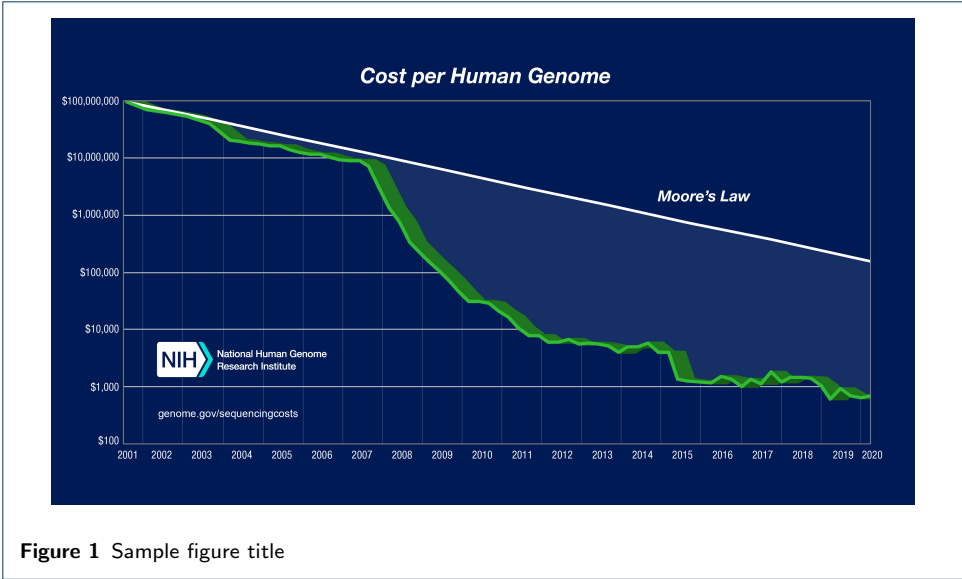
$$E\big[Z_1(vT_x)\big]$$
$$= \frac{\mu}{r} \log x \int_0^{v \wedge 1} x^{1-u} x^{(\lambda_1/r)(v-u)} \, du. \tag{1}$$

Thus we observe that this expected value is finite for all $v > 0$ (also see [1, 2, 3, 4, 5, 6]).

Table 1 Sample table title. This is where the description of the table should go

	B1	B2	B3
A1	0.1	0.2	0.3
A2	...	..	.
A3	..	.	.

Sub-heading for section

Text for this sub-heading...

Figure 1 Sample figure title

Figure 2 Sample figure title

Sub-sub heading for section

Text for this sub-sub-heading. . .

Sub-sub-sub heading for section   Text for this sub-sub-sub-heading. . .

1 Introducción
2 Materiales y métodos
3 Resultados
4 Discusión
5 Conclusiones

Abbreviations

Text for this section. . .

Availability of data and materials

Text for this section. . .

Authors' contributions

Text for this section . . .

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