

Hamsters

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Still image



Interactive table

Show

10 ▾

 entries

Search:

	hamsterName◆	date◆	mph◆	rpm◆	runTimeSeconds◆
	<div>All</div>	<div>All</div>	<div>All</div>	<div>All</div>	<div>All</div>
1	cutie	12/8/19	1.06	58	1451
2	fluff	12/8/19	1.68	85	5202
3	sprinkles	12/8/19	1.05	74	4147
4	cutie	12/9/19	1.48	80	519
5	fluff	12/9/19	1.63	82	13557
6	sprinkles	12/9/19	0.96	68	1836



	hamsterName	date	mph	rpm	runTimeSeconds
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	cutie	12/10/19	1.45	78	179
8	fluff	12/10/19	1.75	88	3546
9	sprinkles	12/10/19	1.08	76	2544
10	cutie	12/11/19	1.81	98	2840

Showing 1 to 10 of 1,216 entries

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...

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Next



Moving figure



Hamster Trivia

Hamster History

Although the Syrian hamster or [golden hamster](#) (*Mesocricetus auratus*) was first described scientifically by [George Robert Waterhouse](#) in 1839, researchers were not able to successfully breed and domesticate hamsters until 1939.^[3] The entire laboratory and pet populations of Syrian hamsters appear to be descendants of a single brother–sister pairing. These littermates were captured and imported in 1930 from Aleppo in Syria by [Israel Aharoni](#), a zoologist of the [University of Jerusalem](#).^[8] In Jerusalem, the hamsters bred very successfully. Years later, animals of this original breeding colony were exported to the United States, where Syrian hamsters became a common pet and laboratory animal. Comparative studies of domestic and wild Syrian hamsters have shown reduced genetic variability in the domestic strain. However, the differences in behavioral, chronobiological, morphometrical, hematological, and biochemical parameters are relatively small and fall into the expected range of interstrain variations in other laboratory animals.^[9]

Hamster Etymology

The name “hamster” is a [loanword](#) from the German, which itself derives from earlier [Middle High German](#) *hamastra*. It is possibly related to [Old Church Slavonic](#) *khomestoru*, which is either a blend of the root of [Russian](#) *хомяк* (*khomyak*) “hamster” and a Baltic word (cf. [Lithuanian](#): *staras* “hamster”);^[10] or of Persian origin (cf. [Avestan](#): *hamaēstar* “oppressor”).^[11] The collective noun for a group of hamsters is “horde”.^[12] In German, the verb *hamstern* is derived from *Hamster*. It means “[to hoard](#)”.^[13]



Lotka-Volterra equations (for hamsters)

$$\begin{aligned}\frac{dx}{dt} &= \alpha x - \beta xy, \\ \frac{dy}{dt} &= -\gamma y + \delta xy,\end{aligned}$$

x is the population density of hamsters

the rest follows logically



Need citations?

Hamsters are rodents ([Gimenez-Conti and Slaga 1993](#)).

At least I think so, I didn't read the article.

Gimenez-Conti, Irma B., and Thomas J. Slaga. 1993. "The Hamster Cheek Pouch Carcinogenesis Model." *Journal of Cellular Biochemistry* 53: 83–90. <https://doi.org/10.1002/jcb.240531012>.



Interesting code

```
1 hamsters <- c("cutie", "fluff", "sprinkles", "eric")
2
3 for (i in hamsters){
4   print(
5     paste0("Hamster ", i, " runs at ",
6           round(3000 + rnorm(1, 0, 300)),
7           " RPM on average.")
8   )
9 }
```



Interesting hidden code

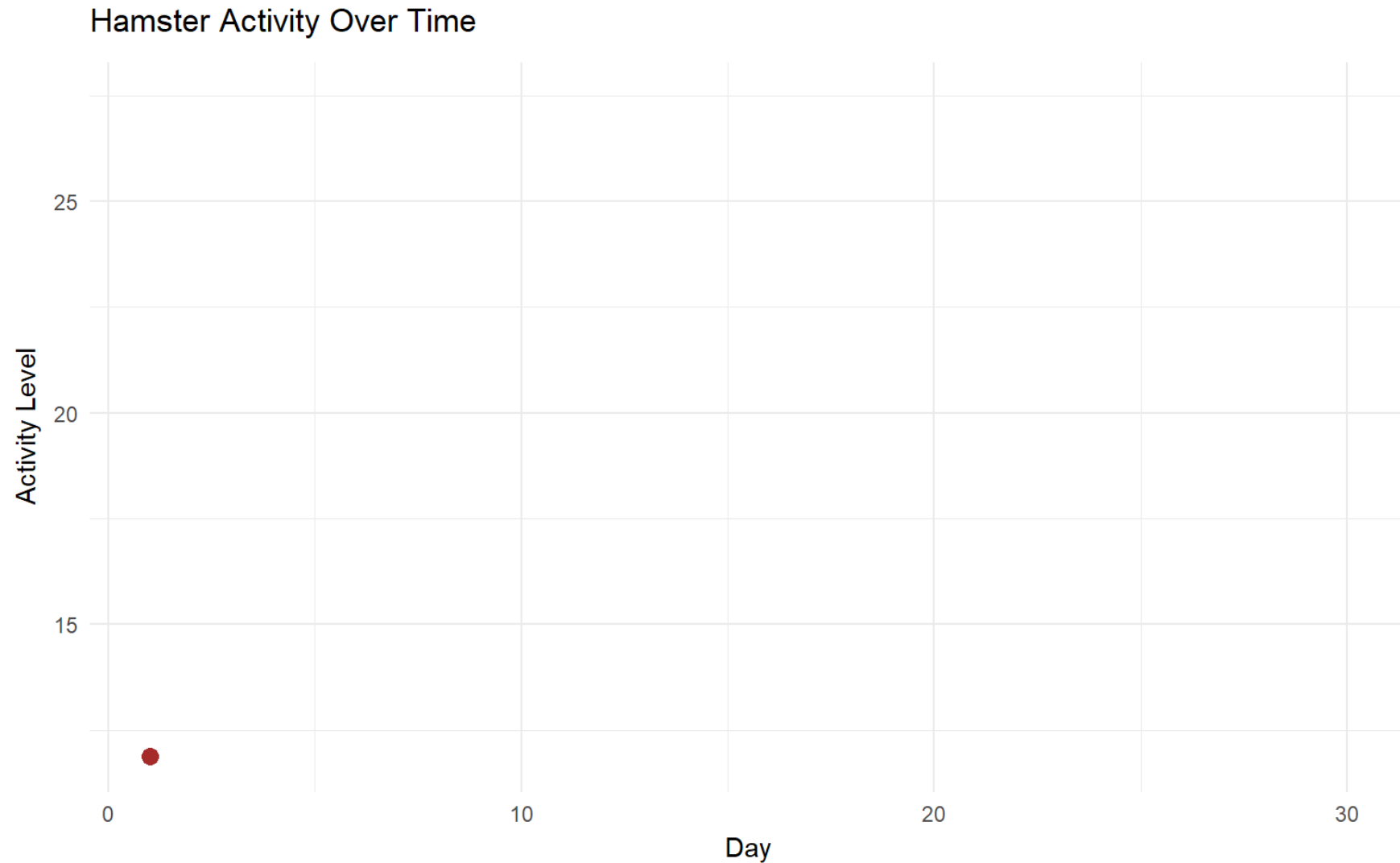


Figure 1: Daily Activity Level of a Hamster



Reproducible environment

```
1 library(renv)
2
3 renv::init()
4 renv::snapshot()
```

- The lockfile is already up to date.



renv.lock file



```
1 {
2   "R": {
3     "Version": "4.3.1",
4     "Repositories": [
5       {
6         "Name": "CRAN",
7         "URL": "https://packagemanager.posit.co/cran/latest"
8       }
9     ]
10  },
11  "Packages": {
12    "DBI": {
13      "Package": "DBI",
14      "Version": "1.2.2",
15      "Source": "Repository",
16      "Repository": "CRAN",
17      "Requirements": [
18        "R",
19        "methods"
20      ],
21      "Hash": "164809cd72e1d5160b4cb3aa57f510fe"
22    },
23    "DT": {
24      "Package": "DT",
25      "Version": "0.32",
26      "Source": "Repository",
27      "Repository": "CRAN",
28      "Requirements": [
29        "crosstalk",
30        "htmltools",
31        "htmlwidgets",
32        "httpuv",
33        "jquerylib",
34        "jsonlite",
```

