Data Dictionary

| **Name** | **Description** | **Data type** | **Length** | **Format** | **Nullable** | **Example** |
| --- | --- | --- | --- | --- | --- | --- |
| image\_id | Primary key - Unique row identifier | INTEGER | 5 | 1-99999 | False | 11 |
| image\_type | Indicates whether image is frontal (“front”) or sagittal (“side”) | VARCHAR | 5 | front-side | False | front |
| eyes\_crown | Distance from the eyes to the top of the head.  Measured in pixels | INTEGER | 4 | 1-9999 | True | 512 |
| eyes\_base | Distance from the eyes to the base of the head.  Measured in pixels | INTEGER | 4 | 1-9999 | True | 213 |
| ratio\_eyes | Proportion of the eyes\_crown over eyes\_base[[1]](#footnote-1) | DOUBLE(1,2) | 3 | 0,0-99,99 | True | 2,40 |
| snout\_back | Distance from the snout to the back of the head.  Measured in pixels | INTEGER | 4 | 1-9999 | True | 384 |
| crown\_base | Distance from the top of the head to the base of the head.  Measured in pixels | INTEGER | 4 | 1-9999 | True | 314 |
| ratio\_head | Proportion of the snout\_back over crown\_base[[2]](#footnote-2) | DOUBLE(1,2) | 3 | 0.0-99,99 | True | 1,22 |
| year | Year of manufacture of the teddy bear as stated by the seller. | INTEGER | 4 | YYYY | False | 2009 |
| exact | Indicator of whether the collected year is exact or an approximation | BOOL | 1 | 0-1 | False | 1 |
| source | Web page from which the picture was taken | VARCHAR | 6 | - | True | Etsy |

Data collection:

The data collection process was as follows. First, we search for the terms “Teddy bear ‘year’”, (where ‘year’ narrows down the search for the year of manufacturing[[3]](#footnote-3)) in the following sites: EBay, Etsy. Then, we select the publications of teddy bears that have a year of manufacture (or range, such as “90’s”) stated. After that, we download the pictures of the bears and use a tool called online ruler[[4]](#footnote-4) to measure the distances of neoteny as defined by Hinde and Barden (1985). Frontal (front-facing) images were used for the eyes-crown/eyes-base ratio, and sagittal (side-facing) images were used for the snout-back/eyes-base ratio. Although the measurements will be in pixels, which depend on the quality of the picture taken, the study is only interested in the proportions of the teddy bears, which are independent of the unit of measurement. Finally, we save the information in the respective database.

All of the pictures collected can be found with their respective ID in the following link: <https://github.com/dschwitzgebel/bears-neoteny>

1. Ratio A, as measured in Hinde and Barden, 1985. [↑](#footnote-ref-1)
2. Ratio B, as measured in Hinde and Barden, 1985. [↑](#footnote-ref-2)
3. As there is no effective way to corroborate the year of the manufacturing of the teddy bear, we made the decision to input the date advertised in the publication. If the year is not available, it will not be shown in the database. [↑](#footnote-ref-3)
4. https://www.rapidtables.com/web/tools/pixel-ruler.html [↑](#footnote-ref-4)