

Capuchin Personality Inventory (CPI)

The CPI's background, development and properties are published in:

Uher, J. & Visalberghi, E. (2016). Observations versus assessments of personality: A five-method multi-species study reveals numerous biases in ratings and methodological limitations of standardised assessments. *Journal of Research in Personality*, 61, 61-79.
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Research design and assessment procedure

In primate research, raters often repeatedly assess different individuals on the same items. Therefore, it is helpful to insert the name of the target individual into the wording of each statement (e.g., using a computer programme) to help the raters focus on the particular individual that they are assessing.

All items in the behaviour-descriptive verb format (BV) and the trait-adjective format (TA) can be presented together; you may also use the items of just one of the two CPIc formats. Importantly, the items should be presented in a randomised order with regard to the constructs that they indicate. Presenting items in chunks of five items is useful to avoid cross-checking between responses to items of related content. To avoid effects of familiarisation with the inventories on the assessments of single capuchins, the order in which each rater judges his or her particular set of monkey individuals should be randomised. Ideally, each monkey should be assessed by 2-3 people who know the individual very well.

General instructions for raters

It is important that you assess the capuchins as they are currently behaving, even though their behaviour may have changed in comparison with previous months or years. Please read every statement carefully and think about how often, in comparison with others, the particular capuchin monkey shows the behaviours described in the statement.

For your answers, you can use five response categories.

| | | |
|---------------------|--------------------------------|----------------------------|
| almost never | when the behaviour is | never or hardly ever shown |
| rarely | | rather not shown |
| sometimes | | shown every now and then |
| often | | frequently shown |
| very often | | very frequently shown |

Please try to use the full range of all five categories for your answers and to use the outer categories as well.

Example:

Capuchina is in close proximity to other group members.

almost never **rarely** **sometimes** **often** **very often**

There are no right or wrong answers. Please fill in all inventories on your own, and do not discuss your assessments with the other raters so that everyone can provide his or her own personal assessments.

| Trait-Adjective Items (CPI-TA) | | Inter-rater reliability ^b | | Temporal reliability ^c | |
|--------------------------------|----------------------------------------------|--------------------------------------|-------------|-----------------------------------|------|
| Item code ^a | Complete item statement | ICC (3,k) | ICC (3,1) | r_{tt} | p |
| AGCPAD | Name is aggressive to conspecifics. | .780 | .580 | .89 | .000 |
| AHCPAD | Name is aggressive to humans. | .730 | .520 | .74 | .000 |
| ARCPAD | Name is excitable. | .730 | .530 | .59 | .001 |
| AXCPAD | Name is anxious. | .420 | .250 | .70 | .000 |
| COCPAD | Name is competitive. | .830 | .660 | .93 | .000 |
| CRCPAD | Name is inventive. | .740 | .530 | .72 | .000 |
| CUCPAD | Name is curious. | .770 | .560 | .73 | .000 |
| DICPAD | Name is distractible. | .320 | .200 | .38 | .052 |
| DOCPAD | Name is dominant. | .930 | .830 | .92 | .000 |
| FOCPAD | Name is gluttonous. | .770 | .570 | .89 | .000 |
| GRCPAD | Name is gregarious. | .420 | .260 | .77 | .000 |
| IMCPAD | Name is impulsive. | .620 | .280 | .78 | .000 |
| PACPAD | Name is physically active. | .700 | .490 | .81 | .000 |
| PECPAD | Name is persistent. | .600 | .270 | .80 | .000 |
| PLCPAD | Name is playful. | .820 | .660 | .83 | .000 |
| SCCPAD | Name is clean. | .010 | -.100 | .16 | .419 |
| SHCPAD | Name is friendly to humans. | .550 | .330 | .76 | .000 |
| SOCPAD | Name is friendly to group members. | .440 | .230 | .84 | .000 |
| SXCPAD | Name is sexually active. | .800 | .620 | .84 | .000 |
| VICPAD | Name is vigilant. | .340 | .210 | .60 | .001 |
| YOCPAD | Name is friendly to youngsters. ^c | .813 | .521 | .83 | .000 |

Bold ICC and r_{tt} scores >.50. $N = 150$ capuchin monkeys.

^a Item code abbreviations see below.

^b Mean inter-rater reliabilities of all institution-specific scores; $k = 2-6$ raters per monkey.

^c Determined only for the ISTC-CNR sub-sample; time span = 4 weeks (see publication).

Abbreviations Item code

First two digits construct (see below)
 Second two digits species (CP = capuchin)
 Last two digits item format AD = trait-adjective items

“Personality” constructs:

| | |
|-----------------------------------|---------------------------------------|
| AG Aggressiveness to conspecifics | IM Impulsiveness |
| AH Aggressiveness to humans | PA Physical activity |
| AR Arousability | PE Persistency |
| AX Anxiousness | PL Playfulness |
| CO Competitiveness | SC (Self-)Cleanliness |
| CR Creativeness/ Inventiveness | SH Social orientation to humans |
| CU Curiousness | SO Social orientation to conspecifics |
| DI Distractibility | SX Sexual activity |
| DO Dominance | VI Vigilance |
| FO Food orientation | YO Social orientation to youngsters. |
| GR Gregariousness | |

Please note that the CPI has been developed for assessments of captive individuals.

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