



Data Papers

Ecology, 101(11), 2020, e03128
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NEOTROPICAL CARNIVORES: a data set on carnivore distribution in the Neotropics

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Manuscript received 8 February 2020; revised 2 May 2020; accepted 5 May 2020. ⁴⁵⁰Corresponding Editor: William K. Michener.
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VALE ³⁵², MARIANA SAMPAIO XAVIER ¹³¹, MARIANA SILVA TAVARES ³¹⁸, MARIANE KAIZER ^{353,354}, MARIANELA VELILLA ^{35,250}, MARIANO MAUDET BERGEL ³⁵⁵, MARILIA TERESINHA HARTMANN ⁹⁰, MARINA LIMA DA SILVA ³⁵⁶, MARINA RIVERO ²⁵³, MARINA SALLES MUNERATO ³⁵⁷, MARINA XAVIER DA SILVA ³⁵⁸, MARINA ZANIN ³⁵⁹, MARINÉZ ISAAC MARQUES ^{306,360,361}, MARIO HABERFELD ¹²³, MARIO S. DI BITETTI ^{117,118,362}, MARK BOWLER ^{363,364}, MARON GALLIEZ ³¹⁸, MARTHA LUCIA ORTIZ-MORENO ³⁶⁵, MARTIN BUSCHIAZZO ^{366,187}, MARTIN ALEJANDRO MONTES ²⁰², MARTÍN R. ALVAREZ ³⁶⁷, MATEUS MELO-DIAS ²⁷, MATHEUS GONÇALVES REIS ¹³⁰, MATHEUS ROCHA JORGE CORRÊA ³⁶⁸, MATHIAS W. TOBLER ³⁶⁴, MATTHEW E. GOMPPER ³⁶⁹, MAURICIO NUNEZ-REGUEIRO ³⁷⁰, MAURÍCIO BRANDÃO VECCHI ¹⁷⁹, MAURÍCIO EDUARDO GRAIPEL ²⁸⁹, MAURICIO NEVES GODOI ²³⁶, MAURICIO O. MOURA ³⁷¹

MAURÍCIO QUOOS KONZEN ⁹⁰, MAXIMILIANO VÍCTOR PARDO ²⁹, MAYARA GUIMARÃES BELTRÃO ^{91,372}, MELISSA MONGELLI ³⁸, MEYLINE OLIVEIRA ALMEIDA ²⁸⁷, MICHAEL P. GILMORE ³⁷³, MICHEL SCHUTTE ³⁷⁴, MICHEL BARROS FARIA ^{157,375}, MICHELI RIBEIRO LUIZ ³⁷⁶, MILTON DE PAULA ^{207,377}, MIRCEA G. HIDALGO-MIHART ³⁶, MIRIAM LUCIA LAGES PERILLI ¹³, MOZART CAETANO FREITAS-JUNIOR ^{17,18}, MURILLO PRADO DA SILVA ⁵⁷, NATALIA MARIANA DENKIEWICZ ²⁹, NATALIA MUNDIM TORRES ^{63,233}, NATALIE OLIFIERS ³⁷⁸, NATANI DA SILVA DE LIMA ³¹, NATASHA MORAES DE ALBUQUERQUE ²¹, NATHÁLIA FERNANDES CANASSA ³⁷⁹, NELSON HENRIQUE DE ALMEIDA CURI ³⁸⁰, NÊMORA PAULETTI PRESTES ³⁸¹, NEREYDA FALCONI ³⁸², NEWTON MOTA GURGEL-FILHO ³⁸³, NIELSON PASQUALOTTO ³⁸⁴, NILTON C. CÁCERES ²³⁰, NIVALDO PERONI ^{237,289}, NOÉ U. DE LA SANCHÁ ^{385,386}, NOELI ZANELLA ⁵⁹, OCTAVIO MONROY-VILCHIS ³⁸⁷, OLIVIER PAYS ³⁸⁸, OMOLABAKE ALHAMBRA ARIMORO ³⁸⁹, OTÁVIO SANTI RIBEIRO ⁹⁰, PABLO VILLALVA ²¹⁹, PABLO RODRIGUES GONÇALVES ¹³¹, PALOMA MARQUES SANTOS ^{3,26}, PAMELLA BRENNAND ³⁹⁰, PATRÍCIO ROCHA ³⁹¹, PAULA AKKAWI ¹⁰⁹, PAULA CRUZ ¹¹⁷, PAULA MODENESI FERREIRA ⁸⁷, PAULA RIBEIRO PRIST ^{258,392}, PAULA SANCHES MARTIN ³⁹³, PAULINA ARROYO-GERALD ^{253,257}, PAULO AURICCHIO ³⁹⁴, PAULO AFONSO HARTMANN ⁹⁰, PAULO DE TARSO ZUQUIM ANTAS ³⁹⁵, PAULO H. S. A. 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CARIBÉ GRANDO ¹⁶¹, RAYANNE GAMA MATOS ⁴⁰⁷, RAYLENNE DA SILVA ARAUJO ²¹⁷, RAYSSA FARIA PEDROSO ²⁷, RAYSSA MAINETTE NANTES DURÃES ³⁹⁷, RENAN LIETO ALVES RIBEIRO ¹⁵⁴, RENATA CHAGAS ³⁷², RENATA MIOTTO ⁷⁰, RENATA TWARDOWSKY RAMALHO BONIKOWSKI ²²⁰, RENATA LARA MUJLAERT ³, RENATA VALLS PAGOTTO ⁹⁵, RENATO RICHARD HILÁRIO ⁴⁰⁸, RHAYSSA TERRA FARIA ¹⁸⁰, RICARDO BASSINI-SILVA ²¹³, RICARDO SAMPAIO ¹⁰, RICARDO SARTORELLO ⁵⁷, RICARDO ARAÚJO PIRES ¹¹⁴, RICHARD HATAKEYAMA ⁴⁰⁹, RITA DE CASSIA BIANCHI ^{410,411}, ROBERT BUITENWERF ^{261,262}, ROBERT WALLACE ²³⁹, ROBERTA MONTANHEIRO PAOLINO ¹², ROBERTO FUSCO-COSTA ^{101,412}, ROBERTO GUILHERME TROVATI ⁴¹³, ROBERTO JUNIOR TOMASI ³⁸¹, ROBSON ODELI ESPÍNDOLA HACK ³⁴⁰, RODOLFO ASSIS MAGALHÃES ⁴¹⁴, RODRIGO AFFONSO DE ALBUQUERQUE NOBREGA ³⁹, RODRIGO DE ALMEIDA NOBRE ⁴, RODRIGO LIMA MASSARA ²⁶, RODRIGO MEDINA FRÓES ³⁵², RODRIGO PAULO DA CUNHA ARAÚJO ⁹⁵, RODRIGO RAÚL LEÓN PÉREZ ^{257,135}, RODRIGO SILVA PINTO JORGE ^{99,13,415}, ROGÉRIO CUNHA DE PAULA ¹⁰, ROGÉRIO MARTINS ^{416,417}, ROGÉRIO GRASSETTO TEIXEIRA DA CUNHA ¹⁸⁸, RÔMULO COSTA ⁴¹⁸, ROMULO ROMEU NOBREGA ALVES ⁴¹⁹, RONY GARCIA-ANLEU ²⁸², RONY PETERSON SANTOS ALMEIDA ^{420,421}, RUBÉN DARÍO CUEVA LOACHAMÍN ²¹⁰, RÚBIA SANTANA ANDRADE ²⁹⁸, RUGIERI JUÁREZ ³⁶, SAMANTA UCHÓA BORDALLO ^{41,140}, SAMARA ARSEGO GUARAGNI ¹²⁹, SAMIA E. CARRILLO-PERCASTEGUI ⁴²², SAMILE SEBER ⁹⁶, SAMUEL ASTETE ⁵⁵, SANDRA MARIA HARTZ ⁷⁴, SANTIAGO ESPINOSA ^{423,424}, SARA ÁLVAREZ SOLAS ³²³, SAULO RAMOS LIMA ³⁹⁵, SAULO MENESES SILVESTRE ⁴²⁵, SÁVIO AUGUSTO DE SOUZA MACHADO ⁸⁷, SEAN KEUROGHLIAN-EATON ⁴³, SEBASTIAN ALBANESI ^{297,426,427}, SEBASTIÁN ANDRÉS COSTA ^{428,297}, SERGIO BAZILIO ⁴²⁹, SERGIO LUCENA MENDES ^{87,151}, SÉRGIO LUIZ ALTHOFF ⁶⁹, SHERY DUQUE PINHEIRO ⁴⁰⁶, SILVIO JUNIOR NAPIWOSKI ³¹, SIXTO FERNÁNDEZ RAMÍREZ ²²², SONIA APARECIDA TALAMONI ⁴³⁰, STEFANI GABRIELI AGE ²²⁰, TAIGUÃ CORRÊA PEREIRA ⁴³¹, TAINAH CRUZ MOREIRA ²⁹⁸, TATIANE CAMPOS TRIGO ¹³³, TAYANA MENDONÇA DA SILVA GONDIM ³¹, THAMÍRIS CHRISTINA KARLOVIC ²⁷, THIAGO CAVALCANTE ⁴³², THIAGO MACCARINI ⁴³³, THIAGO FERREIRA RODRIGUES ³⁸⁴, THIAGO PHILIPPE DE CAMARGO E TIMO ³³, TIBERIO CESAR MONTEIRRUBIO ²⁹⁴, UBIRATAN PIOVEZAN ⁴³⁴, VAGNER CAVARZERE ⁴³⁵, VALERIA TOWNS ⁴³⁶, VALERIA CASTILHO ONOFRIO ^{212,437}, VALESKA BUCHEMI OLIVEIRA ⁴³⁸, VALQUÍRIA CABRAL ARAÚJO ¹⁴⁸, VANESSA LAZARO MELO ¹⁴⁶, VANESSA TAVARES KANAAN ¹⁴⁸, VICTOR IWAKAMI ⁴³⁹, VICTOR VALE ⁴⁴⁰, VILMAR PICINATTO FILHO ^{441,442}, VINÍCIUS ALBERICI ¹², VINÍCIUS A. G. BASTAZINI ⁴⁴³, VINÍCIUS SANTANA ORSINI ⁴³⁰, VIVIAN DA SILVA BRAZ ⁴⁴⁴, VIVIANA B. ROJAS BONZI ^{35,250}, VIVIANE MARIA GUEDES LAYME ³⁵⁶, VIVIANE TELLES RODRIGUES GABOARDI ³⁸¹, VLAMIR JOSÉ ROCHA ¹⁹⁰, WALDNEY PEREIRA MARTINS ³⁹⁷, WALFRIDO MORAES TOMAS ⁴⁴⁵, WELLINGTON HANNIBAL ⁴⁴⁶, WESLEY DÁTILLO ¹⁷³, WESLEY R. SILVA ¹⁴⁹, WHALDENER ENDO ^{10,447}, WILLIAM BERCÉ ⁹⁶, YARIBETH BRAVATA DE LA CRUZ ³⁶, YURI GERALDO GOMES RIBEIRO ¹², MAURO GALETTI ^{109,448} AND MILTON C. RIBEIRO ³

Citation: Nagy-Reis, M., J. E. F. Oshima, C. Z. Kanda, F. B. L. Palmeira, F. R. de Melo, R. G. Morato, et al. 2020. NEOTROPICAL CARNIVORES: a data set on carnivore distribution in the Neotropics. *Ecology* 101(11):e03128. 10.1002/ecy.3128

Abstract. Mammalian carnivores are considered a key group in maintaining ecological health and can indicate potential ecological integrity in landscapes where they occur. Carnivores also hold high conservation value and their habitat requirements can guide management and conservation plans. The order Carnivora has 84 species from 8 families in the Neotropical region: Canidae; Felidae; Mephitidae; Mustelidae; Otariidae; Phocidae; Procyonidae; and Ursidae. Herein, we include published and unpublished data on native terrestrial Neotropical carnivores (Canidae; Felidae; Mephitidae; Mustelidae; Procyonidae; and Ursidae). NEOTROPICAL CARNIVORES is a publicly available data set that includes 99,605 data entries from 35,511 unique georeferenced coordinates. Detection/non-detection and quantitative data were obtained from 1818 to 2018 by researchers, governmental agencies, non-governmental organizations, and private consultants. Data were collected using several methods including camera trapping, museum collections, roadkill, line transect, and opportunistic records. Literature (peer-reviewed and grey literature) from Portuguese, Spanish and English were incorporated in this compilation. Most of the data set consists of detection data entries ($n = 79,343$; 79.7%) but also includes non-detection data ($n = 20,262$; 20.3%). Of those, 43.3% also include count data ($n = 43,151$). The information available in NEOTROPICAL CARNIVORES will contribute to macroecological, ecological, and conservation questions in multiple spatio-temporal perspectives. As carnivores play key roles in trophic interactions, a better understanding of their distribution and habitat requirements are essential to establish conservation management plans and safeguard the future ecological health of Neotropical ecosystems. Our data paper, combined with other large-scale data sets, has great potential to clarify species distribution and related ecological processes within the Neotropics. There are no copyright restrictions and no restriction for using data from this data paper, as long as the data paper is cited as the source of the information used. We also request that users inform us of how they intend to use the data.

Key words: canidae; carnivores; conservation; data paper; felidae; mammal; neotropical region; occurrence; predator; species distribution.

The complete data sets corresponding to abstracts published in the Data Papers section in the journal are published electronically as Supporting Information in the online version of this article at <http://onlinelibrary.wiley.com/doi/10.1002/ecy.3128/supinfo>.

DATA AVAILABILITY

Associated data is also available Zenodo: <https://doi.org/10.5281/zenodo.3833201>.