Table 19.1. Ranging behavior, group size and diet of colobine monkeys. All values represent either means or ranges in cases where studies reported on more than one group. Total leaves includes young leaves, mature leaves, other leaves, unknown leaves, and petioles. Fruits + Seeds includes the total of fruits, ripe fruits, unripe fruits, and seeds. The Other column includes buds, bark, lichens, fungus, animal matter, other or unknown. Taxonomy of African colobines based on Groves (2007), taxonomy of Asian colobines based on Kirkpatrick (2011) (taxonomic classifications of studies in brackets if differ). Table based on Fashing (2011)(2011), Kirkpatrick (2011), Sterck (2012) and new sources. Some diet totals are listed as reported by Fashing (2011), Kirkpatrick (2011), Sterck (2012) and do not add up to 100%.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **RANGING BEHAVIOR** | | | | **% COMPOSITION OF DIET BY FOOD PART** | | | | | |  |
|  | Taxonomy | Study site | Home Range (ha) | Density (#/km2) | Daily path(m) | Mean Group Size | Mature Leaf | Young Leaf | Total Leaf | Seed + Fruits | Flowers | Other | References |
| **AFRICAN COLOBINES** | | |  |  |  |  |  |  |  |  |  |  |  |
| ***Colobus*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *C. angolensis* | Ituri | 371 | 3 | 983 | 14 | 2 | 26 | 50 | 28 | 7 | 15 | Bocian, 1997 |
|  | *C. angolensis* | Nyungwe1 (1987-88) |  |  |  |  | 7 | 30 | 38 | 23 | 1 | 37 2 | Vedder & Fashing, 2002 |
|  | *C. angolensis* | Nyungwe (1993) | 2440 | - | - | >300 | 40 | 25 | 72 | 17 | 5 | 6 | Fimbel et al., 2001; Fashing et al., 2007; Fashing personal observation, 2011 |
|  | *C. guereza* | Bole Valley |  |  |  | 7 |  |  | 54 | 28 | 1 | 17 | Dunbar, 1987 |
|  | *C. guereza* | Budongo (logged) |  | 44 |  |  | 20 | 33 | 53 | 36 | 8 | 3 | Plumptre & Reynolds, 1994; Plumptre, 2006 |
|  | *C. guereza* | Budongo (unlogged) |  | 27 |  |  | 25 | 37 | 62 | 26 | 9 | 4 | Plumptre & Reynolds, 1994; Plumptre, 2006 |
|  | *C. guereza* | Ituri | 100 | 17 | 609 | 8 | 4 | 30 | 58 | 25 | 3 | 15 | Bocian, 1997 |
|  | *C. guereza* | Kakamega | 18 | 150 | 588 | 13 | 7 | 24 | 54 | 39 | 1 | 8 | Fashing & Cords, 2000; Fashing, 2001a, b, c |
|  | *C. guereza* | In and near Kibale National Park |  |  |  |  | 7 | 76 | 85 | 8 | 3 | 1 | Wasserman & Chapman, 2003 |
|  | *C. guereza* | Kibale (fragment) |  |  |  | 6 | 14 | 65 | 80 | 12 | 6 | 2 | Onderdonk & Chapman, 2000; Wasserman & Chapman, 2003 |
|  | *C. guereza* | Kibale (Kanyawara) (1971-72) | 28 | 100 | 535 |  | 13 | 65 | 81 | 15 | 2 | 2 | Oates, 1977a, c, 1994 |
|  | *C. guereza* | Kibale (Kanyawara) (1998-99) | 10 | - | - |  | 5 | 81 | 86 | 5 | 1 | 8 | Wasserman & Chapman, 2003; Chapman & Pavelka, 2005 |
|  | *C. guereza* | Kibale (logged) |  |  |  |  | 5 | 78 | 87 | 10 | 3 | 0 | Wasserman & Chapman, 2003 |
|  | *C. guereza* | Kibale National Park |  |  |  |  | 5 | 81 | 86 | 5 | 1 | 2 | Chapman & Pavelka, 2005 |
|  | *C. guereza* | Kibale National Park |  |  |  |  | 23 | 60 | 88 | 8 | 2 | 3 | Harris & Chapman, 2007 |
|  | *C. polykomos* | Taï | 77 | 47 | 617 | 16 | 20 | 28 | 49 | 48 | 3 | 1 | Korstjens, 2001; Korstjens et al., 2007a |
|  | *C. polykomos* | Taï National Park |  |  |  | 16 |  |  | 42 | 56 | 2 | 0 | Korstjens, 2001; Korstjens et al., 2002 |
|  | *C. polykomos* | Tiwai | 24 | 67 | 832 | 11 | 26 | 30 | 58 | 35 | 3 | 3 | Whitesides et al. 1988; DaSilva, 1989, 1994; Oates, 1994 |
|  | *C. polykomos* | Tiwai Island |  |  |  |  | 27 | 30 | 57 | 36 | 3 | 4 | Davies et al., 1999 |
|  | *C. satanas* | Douala-Edea | 60 | 38 | 459 | 15 | 18 | 21 | 39 | 53 | 3 | 5 | McKey, 1978a, b; McKey et al., 1981; McKey & Waterman, 1982 |
|  | *C. satanas* | Forêt des Abeilles | 573 | 8 | 852 | 17 | 3 | 35 | 38 | 50 | 12 | 0 | Gautier-Hion et al. 1997; Fleury & Gautier-Hion, 1999; Brugière et al., 2002 |
|  | *C. satanas* | Lopé Reserve | 184 | 11 | 510 | 9 | 3 | 23 | 26 | 64 | 5 | 4 | Harrison, 1986; Harrison & Hladik, 1986; Harrison in Oates, 1994; White, 1994 |
|  | *C. satanas* | Lopé Reserve |  |  |  |  |  |  | 26 | 64 | 5 | 5 | Tutin et al., 1997 |
|  | *C. satanas* | Makandé |  |  |  | 12 | 3 | 35 | 38 | 50 | 12 | 0 | Brugière et al., 2002 |
|  | *C. vellerosus* | Boabeng-Fiema | 11 | 119 | 359 | 14 | 34 | 40 | 79 | 15 | 6 | 0 | Saj et al., 2005a, b; Wong & Sicotte, 2006; Saj & Sicotte, 2007a; Teichroeb & Sicotte, 2009 |
| ***Piliocolobus*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *P. badius* | Abuko | 34 | 124 | - | 26 | 12 | 35 | 47 | 42 | 9 | 3 | Starin, 1991, Starin, personal communication as of Fashing 2011 |
|  | *P. badius* | Fathala (1973-74) | 20 | - | - | 25 | 5 | 42 | 47 | 36 | 9 | 9 | Gatinot, 1977, 1978; Oates, 1994 |
|  | *P. badius* | Fathala (1994-96) |  |  |  |  | 6 | 70 | 76 | 19 | 1 | 4 | Diouck in Galat-Luong & Galat, 2005 |
|  | *P. badius* | Taï (1992-93) |  |  |  |  | 7 | 24 | 31 | 37 | 30 | 2 | Wachter et al., 1997 |
|  | *P. badius* | Taï (1996-98) | 58 | 158 | 872 | 52 | 4 | 46 | 50 | 29 | 20 | 1 | Korstjens, 2001; Korstjens et al., 2007a |
|  | *P. badius* | Tiwai | 53 | 66 | - | 33 | 20 | 32 | 52 | 31 | 16 | 1 | Whitesides et al. 1988; Davies in Oates, 1994; Davies et al., 1999 |
|  | *P. badius (Procolobus badius)* | Taï National Park |  |  |  | 52 |  |  | 43 | 33 | 23 | 1 | Korstjens et al., 2002 |
|  | *P. badius (Procolobus badius)* | Taï National Park |  |  |  |  | 7 | 24 | 31 | 37 | 30 | 2 | Wachter et al., 1997 |
|  | *P. badius (Procolobus badius)* | Tiwai Island |  |  |  |  | 20 | 32 | 52 | 31 | 16 | 1 | Davies et al., 1999 |
|  | *P. epieni* | Gbanraun | 73 | 120 | 1040 | ~46 | 10 | 56 | 66 | 16 | 9 | 9 | Werre, 2000 |
|  | *P. kirkii* | Jozani (forest) (1980-81) | 60 | 100 | 1044 |  | 7 | 50 | 63 | 32 | 8 | 0 | Mturi, 1993; Mturi in Siex, 2003 |
|  | *P. kirkii* | Jozani (forest) (1999) | 25 | 176 | 565 | 31 | 9 | 51 | 64 | 26 | 5 | 6 | Siex 2003 |
|  | *P. kirkii* | Jozani (Cultivated land, regenerating forest) (1999) | 13 | 784 | 310 | 38 | 7 | 55 | 67 | 5 | 6 | 22 3 | Siex 2003 |
|  | *P. kirkii* | Uzi-Vundwe (mangrove/coral rag) | 4.1-8.8 |  |  | 22 |  |  |  |  |  |  | Nowak & Lee, 2011 |
|  | *P. kirkii* | Kiwengwa (mature and regenerating forest) | 0.5-1.2 |  |  | 13 |  |  |  |  |  |  | Nowak & Lee, 2011 |
|  | *P. preussi* | Korup |  |  |  | >47 | 0 | 89 | 89 | 1 | 10 | 0 | Struhsaker, 1975; Usongo & Amubode, 2001 |
|  | *P. rufomitratus (Procolobus rufomitratus)* | Tana River (Mchelelo) (1973-74) | 9 | 253 | 603 | 22 | 11 | 52 | 65 | 25 | 6 | 4 | Marsh, 1979a, b; Marsh, 1981b, c; Marsh in Decker, 1994a |
|  | *P. rufomitratus (Procolobus rufomitratus)* | Tana River (Mchelelo) (1986-88) | 12 | 56 | 532 | 11 4 | 2 | 61 | 63 | 22 | 13 | 2 | Decker, 1994a |
|  | *P. rufomitratus (Procolobus rufomitratus)* | Tana River (Baomo S.) | 13 | 33 | 461 |  | 1 | 46 | 47 | 26 | 27 | 1 | Decker, 1994a |
|  | *P. tephrosceles* | in and near Kibale National Park |  |  |  |  | 12 | 70 | 88 | 7 | 2 | 3 | Wasserman & Chapman 2003 |
|  | *P. tephrosceles* | Kibale National Park |  |  |  | 65 | 9 | 70 | 86 | 8 | 2 | 3 | Chapman & Pavelka 2005; Snaith & Chapman 2008 |
|  | *P. tephrosceles* | Kibale National Park |  |  |  | 57-98 (range of one group) |  |  |  |  |  |  | Gogarten et al., 2014 |
|  | *P. rufomitratus (Procolobus rufomitratus)* | Tana River: Mchelelo 1973-1975 |  |  |  | 18 | 12 | 36 | 64 | 25 | 6 | 5 | Marsh, 1979b; Decker, 1994a |
|  | *P. tephrosceles* | Gombe | 114 | - | - | 82 | 44 | 35 | 79 | 11 | 7 | 3 | Clutton-Brock, 1975a, b |
|  | *P. tephrosceles* | Kibale (Kanyawara) (1970-75) | 65 5 | ≥260 | 649 |  | 24 | 42 | 73 | 6 | 16 | 5 | Struhsaker, 1975, 1978a, b |
|  | *P. tephrosceles* | Kibale (Kanyawara) (1998-99) |  |  |  |  | 10 | 70 | 87 | 8 | 2 | 3 | Wasserman & Chapman, 2003 |
|  | *P. tephrosceles* | Kibale (Kanyawara) (2005-06) | 22-66 |  | 418-953 | 25-127 | 3 | 77 | 92 | 5 | 1 | 0 | Snaith & Chapman, 2008 |
|  | *P. tephrosceles* | Kibale (fragment) |  |  |  |  | 22 | 60 | 84 | 7 | 2 | 7 | Wasserman & Chapman, 2003 |
|  | *P. tephrosceles* | Kibale (logged) |  |  |  |  | 7 | 79 | 92 | 6 | 2 | 1 | Wasserman & Chapman, 2003 |
|  | *P. tholloni (Colobus badius tholloni)* | Botsima, Salonga National Park |  |  |  |  | 6 | 21 | 27 | 67 | 6 |  | Maisels et al., 1994 |
|  | *P. tholloni (Colobus badius tholloni)* | Botsima, Salonga National Park |  |  |  |  | 6 | 54 | 61 | 38 | 1 |  | Maisels et al., 1994 |
| ***Procolobus*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *P. verus* | Taï | 56 | 14 | 1212 | 7 | 1 | 83 | 85 | 8 | 4 | 3 | Korstjens, 2001; Korstjens & Schippers, 2003; Korstjens et al. 2007a |
|  | *P. verus* | Tiwai | 28 | 11 | - | 9 | 11 | 59 | 74 | 19 | 7 | 0 | Oates, 1988a, b; Whitesides et al., 1988; Oates & Whitesides, 1990; Davies et al., 1999 |
|  | *P. verus* | Tiwai Island |  |  |  |  | 11 | 57 | 68 | 16 | 9 | 7 | Davies et al., 1999 |
|  | *P. verus* | Tiwai Island |  |  |  |  | 2 | 59 | 74 | 19 | 7 |  | Oates, 1988 |
| **ASIAN COLOBINES** | |  |  |  |  |  |  |  |  |  |  |  |  |
| ***Nasalis*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *N. larvatus* | Kinabatangan-Sukai | 220 | 34 | 910 | 17 | <1 | 73 | 74 | 11 | 8 | 8 | Boonratana, 1993 |
|  | *N. larvatus* | Menanggul River |  |  |  |  | 0 | 66 | 66 | 26 | 8 | 1 | Matsuda et al., 2009a |
|  | *N. larvatus* | Samunsan Wildlife Sanctuary | 770 | 6 | 485 | 9 | 3 | 38 | 41 | 50 | 3 | 6 | Bennett & Sebastian, 1988 |
|  | *N. larvatus* | Tanjung Puting | 130 | 63 |  | 12 | 10 | 42 | 52 | 40 | 3 | 5 | Yeager, 1989, 1990a |
| ***Presbytis*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *P. comata* | Kamojang | 38 | 11 | 500 | 8 | 6 | 59 | 65 | 14 | 7 | 12 | Ruhiyat, 1983 |
|  | *P. comata* | Kutai |  | 20 |  |  |  |  | 65 | 27 | - | 8 | Rodman, 1978 |
|  | *P. femoralis* | Perawang | 22 | 42 | 935 | 11 | 3 | 26 | 29 | 58 | <1 | 13 | Megantara, 1989a |
|  | *P. hosei* | Lipad | 35 | ~26 | 740 |  | 5 | 45 | 78 | 19 | 3 | 0 | Mitchell, 1994 |
|  | *P. melalophos* | Kuala Lompat |  |  |  | 15 | 3 | 28 | 36 | 50 | 12 | 3 | Bennett, 1983 |
|  | *P. potenziani* | Betumonga | 34 | 11 | 540 | 4 |  |  | 55 | 32 | - | 13 | Fuentes, 1996 |
|  | *P. potenziani* | Sarabua | 13 | 14 |  | 3 |  |  |  |  |  |  | Watanabe, 1981 |
|  | *P. rubicunda* | Sepilok | 67 |  | 890 | 6 | 1 | 36 | 37 | 49 | 11 | 2 | Davies, 1984, 1991; Davies et al., 1988 |
|  | *P. rubicunda* | Tanjung Puting | 33-99 |  |  |  |  |  | 36 | 52 | 12 | - | Supriatna et al., 1986 |
|  | *P. rubicunda* | Danum Valley, Sabah, Borneo |  |  |  | 10 |  | 46 | 46 | 50 | 2 | 2 | Hanya & Bernard 2012 |
|  | *P. rubicunda* | Sabangau |  |  |  | 6 | 2 | 8 | 10 | 84 | 3 | 1 | Ehlers Smith et al., 2013 |
|  | *P. rubicunda* | Sabangau | 104.9-112 |  | 1645 | 7 |  |  |  |  |  |  | Ehlers Smith et al., 2013 |
|  | *P. siamensis* | Kuala Lompat | 27 |  | 750 | 15 | 8 | 28 | 36 | 49 | 12 | 3 | Bennett, 1983; Davies et al., 1988 |
|  | *P. siamensis* | Kuala Lompat | 21 |  | 750 | 16 | 11 | 24 | 35 | 56 | 6 | 2 | Curtin, 1980 |
|  | *P. thomasi* | Bohorok | 14 | 21 | 683 | 8 |  |  | 36 | 53 | 8 | 3 | Gurmaya, 1986 |
|  | *P. thomasi* | Ketambe |  |  |  | 9 |  | 31 | 44 | 36 | 4 | 16 | Assink & van Dijk, 1990; Sterck, 1995 |
| ***Rhinopithecus*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *R. avunculus* | Ta Ke/Nam Trang | >1000 | <8 |  | 15 (B: 65) 6 |  |  | 38 | 62 |  |  | Boonratana & Le, 1998 |
|  | *R. bieti* | Samage; Baimaxueshan |  |  |  |  | 4 | 12 | 20 | 11 | 0 | 69 7 | Grueter et al., 2009b |
|  | *R. bieti* | Tacheng, Yunnan |  |  |  |  |  |  |  |  |  | 60 8 | Ding & Zhao, 2004 |
|  | *R. bieti* | Wuyapiya | 2500 | 7 | 1310 | <15 (B: 175) |  |  | >6 |  |  | 94 9 | Kirkpatrick 1996; Kirkpatrick et al., 1998 |
|  | *R. brelichi* | Fanjingshan | 3500 ~1275 | 11 | 1290 | 6 (B: 225) |  |  | 71 | 15 | 7 | 6 | Bleisch et al. 1993; Bleisch & Xie, 1998 |
|  | *R. brelichi* | Yangaoping |  |  |  | B: 450 (subbands: 50-200) | 22 | 41 | 63 | 22 | 9 | 6 | Xiang et al., 2012 |
|  | *R. roxellana* | Shennongjia | 2600 | 8 |  | 12 (B: 340) |  |  |  |  |  |  | Ren R et al. 1998; Su et al. 1998 |
|  | *R. roxellana* | Shennongjia |  |  |  | (B: 236) | 9 | 19 | 28 | 30 | 1 | 0 | Liu et al., 2013a |
| ***Semnopithecus*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *S. dussumieri* | Dhawar (closed) | 19 | 76 |  | 15 |  |  |  |  |  |  | Sugiyama, 1964 |
|  | *S. dussumieri* | Dhawar (open) | 149 | 11 |  | 14 |  |  | 58 | 29 | 7 | 6 | Sugiyama, 1964 |
|  | *S. dussumieri* | Gir | 20 | 121 |  | 28 |  |  |  |  |  |  | Starin, 1978 |
|  | *S. dussumieri* | Kanha | 74 | 46 | 1083 | 22 | 35 | 4 | 39 | 24 | 9 | 14 | Newton, 1992, 1994 |
|  | *S. dussumieri* | Kaukori | ~775 | 3 |  | 54 |  |  |  |  |  |  | Dolhinow, 1972a, b |
|  | *S. dussumieri* | Orcha | ~375 | 3-6 |  | 19 |  |  |  |  |  |  | Dolhinow, 1972a, b |
|  | *S. entellus* | Langtang National Park |  |  |  |  | 25 | 10 | 57 | 21 | 7 | 15 | Sayers & Norconk, 2008 |
|  | *S. entellus* | Ramnagar |  |  |  |  | 40 | 8 | 64 | 15 | 6 | 15 | Podzuweit, 1994 |
|  | *S. priam* | Polonnaruwa |  |  |  |  | 21 | 27 | 48 | 45 | 7 | - | Hladik, 1977 |
|  | *S. schistaceus* | Junbesi | ~1275 | ~2 |  |  |  |  |  |  |  |  | Curtin, 1975 |
|  | *S. schistaceus* | Ramnagar |  | 26 |  | 18 |  |  |  |  |  |  | Borries, 1997; Borries et al., 2001 |
|  | *S. vestulus nestor* | Panadura and Piliyandala | 7 |  |  | 14 |  |  |  |  |  |  | Dela, 2012 |
| ***Simias*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *S. concolor* | Pagai Islands | 7-20 | 21 |  | 4 |  |  |  |  |  |  | Tenaza & Fuentes, 1995 |
|  | *S. concolor* | Sarabua | 13 | 8 |  | 3 |  |  |  |  |  |  | Watanabe, 1981 |
|  | *S. concolor* | Grukna | 3.5 | 220 |  | 8 |  |  |  |  |  |  | Watanabe, 1981 |
|  | *S. concolor* | Siberut Island, Indonesia |  |  |  |  |  |  | 51 | 17 | 26 | 1 | Erb et al., 2012a |
| ***Trachypithecus*** | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *T. poliocephalus* | Fusui Precious Animal Reserve |  |  |  |  | 11 | 75 | 89 | 6 | 3 | 2 | Li & Rogers, 2006 |
|  | *T. auratus* | Pangandaran Nature Reserve |  |  |  | 14 | 1 | 46 | 49 | 33 | 15 | 3 | Kool, 1989, 1993 |
|  | *T. cristatus* | Rantau Panjang |  |  | <200 | 35 |  |  |  |  |  |  | Furuya, 1961 |
|  | *T. obscurus* | Kuala Lompat | 17-33 | 87 | 560 | 17 | 22 | 36 | 58 | 35 | 7 | - | Curtin, 1976, 1980 |
|  | *T. geei* | Chirrang |  | 64 |  | 9 |  |  |  |  |  |  | Srivastava et al., 2001 |
|  | *T. geei* | Manas 01 |  | 20 |  | 11 |  |  |  |  |  |  | Srivastava et al., 2001 |
|  | *T. geei* | Manas 02 |  | 8 |  | 7 |  |  |  |  |  |  | Srivastava et al., 2001 |
|  | *T. geei* | Ripu |  | 46 |  | 7 |  |  |  |  |  |  | Srivastava et al., 2001 |
|  | *T. pileatus* | Madhupur | 22 | 52 | 325 | 8 | 42 | 11 | 53 | 34 | 7 | 5 | Stanford, 1991c |
|  | *T. pileatus* | Manas | 64 |  |  | 10 |  |  |  |  |  |  | Mukherjee, 1978 |
|  | *T. francoisi* | Nonggang Nature Reserve |  |  |  |  | 14 | 39 | 57 | 31 | 8 | 4 | Zhou Q et al., 2006 |
|  | *T. johnii* | Kakachi | 24 | 71 |  | 17 | 27 | 25 | 52 | 25 | 9 | 13 | Oates et al., 1980 |
|  | *T. johnii* | Nilgiri district | 65-250 |  |  | 9 |  |  |  |  |  |  | Poirier, 1970b |
|  | *T. vetulus* | Polonnaruwa | 2 |  |  |  | 40 | 20 | 60 | 28 | 12 | - | Hladik, 1977 |
|  | *T. vetulus (Semnopithecus vetulus)* | Panadura and Piliyandala |  |  |  |  | 6 | 19 | 31 | 57 | 6 |  | Dela, 2007 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Different group studied several years earlier than the Fimbel et al. 2001 study. | | | |  |  |  |  |  |  |  |  |  |
| 2 | Includes the 32% of the annual diet composed of lichen. | | |  |  |  |  |  |  |  |  |  |  |
| 3 | Includes the 15% of the annual diet composed of herbs | |  |  |  |  |  |  |  |  |  |  |  |
| 4 | This is mean for all sites at Tana River | |  |  |  |  |  |  |  |  |  |  |  |
| 5 | Ranging data from 1970-71, diet data from 1972-1975. | |  |  |  |  |  |  |  |  |  |  |  |
| 6 | B: band |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Other = Lichen (66.85%) + Other (1.65%) | |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Other = Lichen only |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Other = 86% Lichens/Fungus | |  |  |  |  |  |  |  |  |  |  |  |

Table 19.2: Variation in population characters and diet in a single inter-breeding population of *Colobus guereza* and *Procolobus rufomitratus* over space and time within Kibale National Park Uganda. (1 = (Harris and Chapman 2007b), 2= (Clutton-Brock 1975a), 3= (Wasserman and Chapman 2003; Chapman et al. 2010b), 4=(Chapman et al. 2010b), 5= (Chapman et al. 2006c), 6=(Chapman et al. 2006c), 7=(Chapman and Chapman 2002), 8 (Chapman and Chapman 1999), 9= (Chapman et al. 2000), 10 = (Struhsaker 1978b), 11= (Struhsaker 1978a), 12 = (Clutton-Brock 1975a), 13 = (Struhsaker 2010).

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Study site | Range (ha) | Density (#/km2) | Daily path(m) | Group Size | Mature Leaf | Young Leaf | Total Leaf | Seed + Fruits | Flowers | Other | Ref |
| *Colobus guereza* | Kanyawara - Batekaine |  |  |  | 7 | 34.4 | 65.6 | 90.8 | 1.6 | 2.3 | 4.2 | 1 |
| *Colobus guereza* | Kanyawara - Zikuru |  |  |  | 6 | 16.1 | 83.9 | 83.6 | 11.2 | 4.0 | 1.2 | 1 |
| *Colobus guereza* | Kanyawara -Mugenyi |  |  |  | 4-5 | 11.7 | 88.3 | 78.5 | 19.0 | 0.9 | 1.4 | 1 |
| *Colobus guereza* | Kanyawara - Basaija |  |  |  | 5.00 | 22.8 | 77.2 | 94.0 | 2.7 | 1.0 | 2.4 | 1 |
| *Colobus guereza* | Kanyawara- Kasembo |  |  |  | 6.00 | 50.2 | 49.9 | 90.3 | 4.2 | 1.3 | 4.1 | 1 |
| *Colobus guereza* | Kanyawara - Bwango |  |  |  | 8-9 | 31.3 | 68.7 | 89.6 | 6.8 | 0.7 | 2.9 | 1 |
| *Colobus guereza* | Kanyawara - Mzee |  |  |  | 5-10 | 33.1 | 63.8 | 88.8 | 3.7 | 5.5 | 2.0 | 1 |
| *Colobus guereza* | Kanyawara - Birungi |  |  |  | 10-11 | 18.2 | 88.7 | 84.4 | 11.4 | 2.0 | 2.2 | 1 |
| *Colobus guereza* | Bigodi 1970 |  |  |  | 6 | 22.3 | 45.1 |  |  | 32.6 |  | 2 |
| *Colobus guereza* | Kanyawara 1970 |  |  |  | 9 | 2.4 | 89.7 |  | 1.1 | 6.7 |  | 2 |
| *Colobus guereza* | Kanyawara 1971-72 | 28 | 100 | 535 |  | 13 | 65 | 81 | 15 | 2 | 2 | 3,4,5 |
| *Piliocolobus tephrosceles* | In and near Kibale |  |  |  |  | 12.2 | 69.9 | 87.5 | 7.2 | 2.0 | 3.3 | 6 |
| *Piliocolobus tephrosceles* | Kanyawara 1998-99 |  |  |  |  | 10.0 | 70.0 | 87.0 | 8.0 | 2.0 | 3.0 | 7 |
| *Piliocolobus tephrosceles* | Fragments |  |  |  |  | 22.0 | 60.0 | 84.0 | 7.0 | 2.0 | 7.0 | 7 |
| *Piliocolobus tephrosceles* | Logged |  |  |  |  | 7.0 | 79.0 | 92.0 | 6.0 | 2.0 | 1.0 | 7 |
| *Piliocolobus tephrosceles* | Big 1998-1999 | 21.9 |  | 232 | 48 |  |  | 72.2 |  |  |  | 8,9 |
| *Piliocolobus tephrosceles* | Small 1998-1999 | 26.4 |  | 142 | 24 |  |  | 53.6 |  |  |  | 8,9 |
| *Piliocolobus tephrosceles* | Logged area 1999-2000 |  |  | 123 |  | 1.1 | 75.7 |  | 4.1 | 1.3 | 1.7 | 10 |
| *Piliocolobus tephrosceles* | Sebatoli 1996-1997 |  |  |  |  | 7.4 | 72.4 | 86.9 | 6.4 | 3.3 | 2.0 | 10 |
| *Piliocolobus tephrosceles* | K-15 1996-1997 |  |  |  |  | 2.6 | 69.8 | 78.2 | 17.2 | 2.3 | 0.3 | 10 |
| *Piliocolobus tephrosceles* | Mikana 1999 |  |  |  |  | 2.0 | 87.0 | 93.2 | 3.0 | 2.2 | 0.0 | 10 |
| *Piliocolobus tephrosceles* | K-30 1994-1999 |  |  |  |  | 9.9 | 57.6 | 81.7 | 6.7 | 2.0 | 4.1 | 10 |
| *Piliocolobus tephrosceles* | Dura River 1996-1997 |  |  |  |  | 4.6 | 65.1 | 78.4 | 13.9 | 6.2 | 0.0 | 10 |
| *Piliocolobus tephrosceles* | Mainaro 1996-1997 |  |  |  |  | 16.2 | 57.5 | 75.5 | 10.8 | 7.2 | 3.6 | 10 |
| *Piliocolobus tephrosceles* | Nkuruba 1999 |  |  |  |  | 18.4 | 67.3 | 88.5 | 1.9 | 2.3 | 6.4 | 10 |
| *Piliocolobus tephrosceles* | Kahunge 1995-1996 |  |  |  |  | 21.0 | 48.8 | 69.8 | 3.1 | 22.7 | 2.7 | 10 |
| *Piliocolobus tephrosceles* | unknown 1994 |  |  |  |  | 13.3 | 55.8 | 86.9 | 5.7 | 2.4 | 4.5 | 10 |
| *Piliocolobus tephrosceles* | unknown 1995 |  |  |  |  | 10.2 | 58.8 | 86.0 | 7.6 | 1.5 | 4.2 | 10 |
| *Piliocolobus tephrosceles* | unknown 1996 |  |  |  |  | 2.4 | 71.9 | 81.5 | 7.9 | 1.4 | 2.6 | 10 |
| *Piliocolobus tephrosceles* | unknown 1998 |  |  |  |  | 5.6 | 75.8 | 89.2 | 6.6 | 3.5 | 0.3 | 10 |
| *Piliocolobus tephrosceles* | neighboring 11999 |  |  |  |  | 9.4 | 40.7 | 60.5 | 6.2 | 5.1 | 2.8 | 10 |
| *Piliocolobus tephrosceles* | neighboring 21999 |  |  |  |  | 6.7 | 27.0 | 49.4 | 6.1 | 0.3 | 6.5 | 10 |
| *Piliocolobus tephrosceles* | Sebatoli 1996-1997 |  | 6.53 |  | 14.2 | 7.4 | 72.4 | 86.9 | 6.4 | 3.3 | 2.0 | 10 |
| *Piliocolobus tephrosceles* | K30 1994-1997 |  | 5.5 |  | 40 | 9.9 | 57.6 | 81.7 | 6.7 | 2.0 | 4.1 | 10 |
| *Piliocolobus tephrosceles* | Dura River 1996-1997 |  | 0.53 |  | 34 | 4.6 | 65.1 | 78.4 | 13.9 | 6.2 | 0.0 | 10 |
| *Piliocolobus tephrosceles* | Mainaro 1996-1997 |  | 10.25 |  | 30.5 | 16.2 | 57.5 | 75.5 | 10.8 | 7.2 | 3.6 | 10 |
| *Piliocolobus tephrosceles* | K15 1995-1996 |  | 3.24 |  |  | 2.6 | 69.8 | 78.2 | 17.2 | 2.3 | 2.0 | 11 |
| *Piliocolobus tephrosceles* | Kahunge 1995-1996 |  | 1.67 |  |  | 21.0 | 48.8 | 69.8 | 3.1 | 22.7 | 2.7 | 11 |
| *Piliocolobus tephrosceles* | Sebatoli 1996-1997 |  |  |  | 14 | 7.4 | 72.4 | 86.9 | 6.4 | 3.3 | 3.4 | 12 |
| *Piliocolobus tephrosceles* | K30 1996-1997 |  |  |  | 40 | 9.9 | 57.6 | 81.7 | 6.7 | 2.0 | 9.6 | 12 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1972-1975 |  |  |  | 20 | 23.7 | 41.7 | 73.8 | 5.6 | 15.9 | 4.7 | 12 |
| *Piliocolobus tephrosceles* | Kanyawara K301971 |  |  |  |  | 12.4 | 60.0 | 76.3 | 5.6 | 15.9 | 5.3 | 13 |
| *Piliocolobus tephrosceles* | (Bigodi 1970) |  |  |  | 64 | 16.7 | 56.1 |  | 12.1 | 14.7 |  | 14 |
| *Piliocolobus tephrosceles* | (Kanyawara 1970) |  |  |  | 58 | 25.2 | 57.8 |  | 10.5 | 5.4 | 1.1 | 14 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1976 |  |  |  |  | 2.6 | 19.4 | 36.4 | 4.9 | 21.9 |  | 15 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1977 |  |  |  |  | 4.2 | 31.9 | 73.9 | 0.7 | 3.7 | 0.2 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1978 |  |  |  |  | 3.2 | 36.5 | 65.3 | 2.3 | 9.5 | 0.4 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1979 |  |  |  |  | 11.6 | 35.6 | 84.1 | 7.6 | 1.8 | 0.7 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1980 |  |  |  |  | 5.0 | 31.1 | 56.9 | 2.5 | 18.4 | 0.8 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1981 |  |  |  |  | 5.8 | 32.4 | 76.0 | 5.3 | 7.1 | 1.8 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1982 |  |  |  |  | 12.8 | 30.1 | 69.3 | 2.8 | 12.6 | 2.4 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1983 |  |  |  |  | 6.3 | 38.1 | 69.7 | 0.1 | 17.8 | 7.7 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1984 |  |  |  |  | 9.6 | 33.6 | 66.6 | 8.5 | 13.6 | 0.7 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1985 |  |  |  |  | 14.6 | 37.0 | 72.8 | 2.1 | 13.8 | 1.1 | 16 |
| *Piliocolobus tephrosceles* | Kanyawara (CW ) 1986 |  |  |  |  | 8.9 | 48.4 | 79.6 | 0.2 | 10.1 | 2.7 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1976 |  |  |  |  | 10.0 | 20.6 | 63.7 | 1.5 | 5.0 | 12.1 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1977 |  |  |  |  | 7.2 | 52.3 | 74.1 | 10.9 | 2.3 | 3.5 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1978 |  |  |  |  | 19.2 | 14.8 | 63.0 | 3.0 | 3.9 | 15.0 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1979 |  |  |  |  | 17.8 | 18.5 | 62.3 | 0.0 | 9.3 | 14.1 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1980 |  |  |  |  | 25.0 | 30.7 | 77.1 | 0.4 | 2.8 | 9.3 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1981 |  |  |  |  | 15.9 | 28.6 | 67.0 | 1.3 | 2.6 | 15.4 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1982 |  |  |  |  | 2.1 | 37.2 | 66.4 | 3.7 | 11.7 | 16.0 | 16 |
| *Piliocolobus tephrosceles* | Ngogo (RUL ) 1983 |  |  |  |  | 14.3 | 34.1 | 55.0 | 2.2 | 17.6 | 17.6 | 16 |

1 = (Harris and Chapman 2007b), 2 = (Clutton-Brock 1975a), 3 = (Oates 1977a), 4 = (Oates 1977c), 5 = (Oates 1994), 6 = (Wasserman and Chapman 2003), 7 = (Chapman et al. 2010b), 8 = (Chapman et al. 2006c), 9 = (Chapman et al. 2006c), 10 = (Chapman et al. 2002b), 11 = (Chapman and Chapman 1999), 12 = (Chapman and Chapman 2000a), 13 = (Struhsaker 1978b), 14 = (Struhsaker 1978a), 15 = (Clutton-Brock 1975a), 16 = (Struhsaker 2010)

Table 19.3.

Zuberbuhler and Jenny 2002 Hoppe-Dominik 1984

200 feces 215 feces

*Colobus badius* Red colobus 21 8

*Colobus polykomos* Black-and-white colobus 16 5

*Procolobus verus* Olive colobus 1 0

Adapted from Zuberbuhler and Jenny (2002)