## ๆ. Geçmişin yeniden oluşturulması

Teorik

|  | Kingdom Phylum | Class | Order | Family | Genus | Species |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Human | Animalia | Chordata | Mammalia | Primates | Hominidae | Homo |
| Damestic dog | Animalia | Chordata | Mammalia | Carnivara | Canidae | Canis |
| Chicken | Animalia | Chordata | Aves | Galliformes | Phasianidae | Gallus |
| Alaskan blueberry | Plantae | Angiosperms | Eudicots | Gricalles | Ericaceae | Vaccinium |
| Saris |  |  |  |  |  |  |




1 AgTCCCTGAACCTTTTAGCAGCTCGTGTACTGIGCAACCAGGITGGAAAA 2 AGTCCCTGGACCITTTAGCAGCTCGTGTACTGIGCAMCCAGGITGGAAAA 3 AGTCCCTGAACCTTTTAGCAGGIGTACTGTGCAACCAGGTTGGAAAA 4 AGTCCCTGAACCITITAGCAGCTCGTGTACTGIGCAMCCAGGCTGGAAAA

1 AGTCCCTGAACCTTTTAGCAGCTCGTGTACTGIGCAACCAGGTTGGAAAA 2 AGTCCCTGGACCITTTAGCAGCTCGTGTACTGIGCAACCAGGTTGGAAAA 3 AGTCCCTGAACCITTTAGCAG---GTGTACTGTGCAACCAGGTTGGAAAA 4 AGTCCCTGAACCTTTTAGCAGCTCGTGTACTGIGCAMCCAGGCTGGAAAA


Time







Simulate data under different demographic models


Compare observed and simulated data


Model selection and parameter estimation

(a)

$$
N_{\text {pied }}=31,000 \quad N_{\text {coll }}=80,000
$$


(b)

Collared




