

$$P(\text{[tree icon]} \text{ [cyclical icon]} \text{ [grid icon]} \text{ [clock icon]} | \text{ACAC... TCAC... ACAG...}) = \frac{P(\text{ACAC... TCAC... ACAG...} | \text{[tree icon]} \text{ [cyclical icon]} \text{ [grid icon]} \text{ [clock icon]}) P(\text{[tree icon]} | \text{[cyclical icon]}) P(\text{[cyclical icon]}) P(\text{[grid icon]}) P(\text{[clock icon]})}{P(\text{ACAC... TCAC... ACAG...})}$$

ACAC...  
TCAC...  
ACAG...

genetic  
sequences

[tree icon]

genealogy

[cyclical icon]

demographic  
model

[grid icon]

substitution  
model

[clock icon]

molecular clock  
model