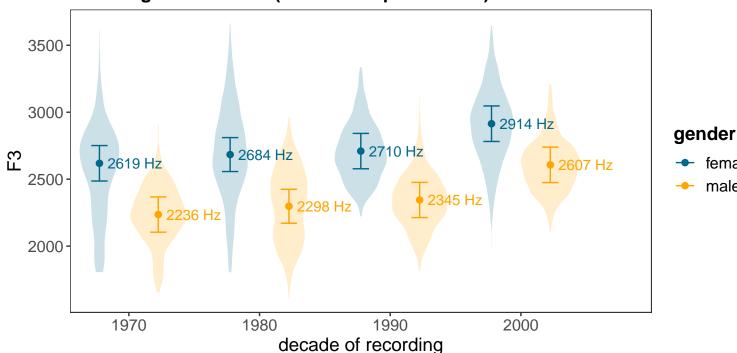**F3 changes for vowels (with model predictions)**

- female
- male

gender

F3 values by decade:
- 1970: female 2619 Hz, male 2236 Hz
- 1980: female 2684 Hz, male 2298 Hz
- 1990: female 2710 Hz, male 2345 Hz
- 2000: female 2914 Hz, male 2607 Hz