AT M

\(\ln(q_x)\) vs. age

- Observed data points
- Smoothed line

- age

- \(\ln(q_x)\)
PT F

\[ \ln(q_x) \]

- observed

- smoothed

\( x \) vs. \( y \) plot with age on the x-axis and \( \ln(q_x) \) on the y-axis.
PT M

\[
\ln(q_x) \quad \text{vs. age}
\]

- Observed data points
- Smoothed trend line

[Graph showing \(\ln(q_x)\) versus age with observed and smoothed data points.]
RO F

\[ \ln(q_x) \]

age

-12
-10
-8
-6
-4
-2
0

observed
smoothed