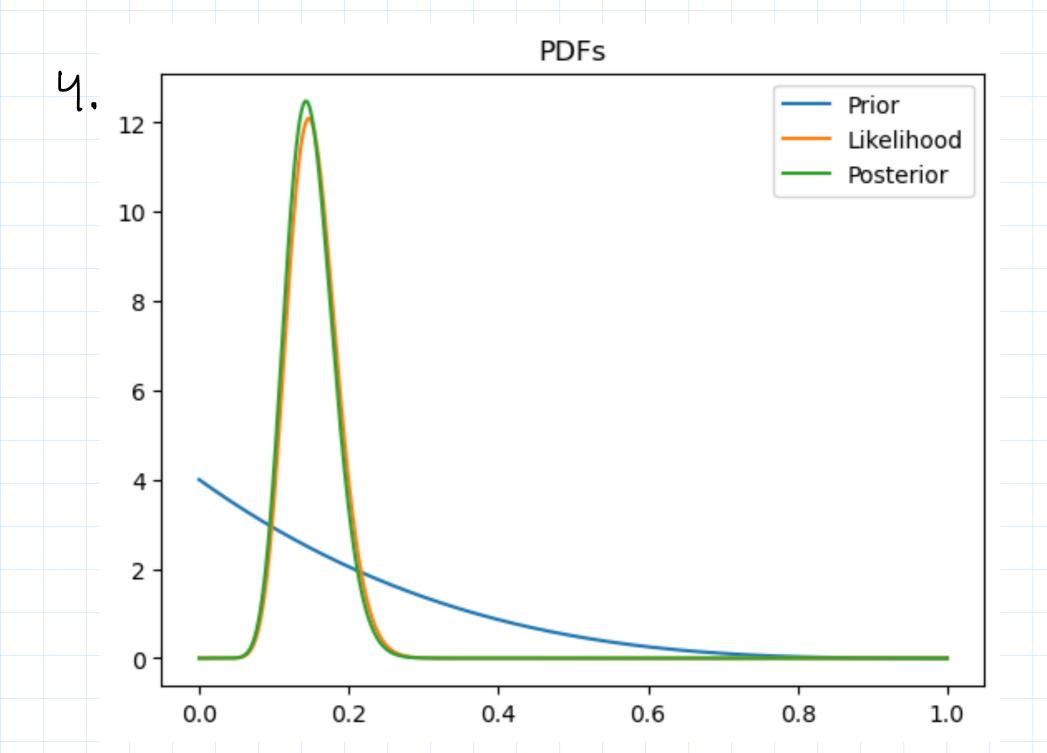
$$\begin{cases}
3 = 44 \\
160 = 804^2 + 164
\end{cases}
\begin{cases}
802^2 - 842 = 0.
\end{cases}$$

$$\begin{array}{l}
\lambda = \beta = 0 - prot a s/n. \\
\lambda = \frac{21}{20}, \beta = \frac{84}{20}
\end{array}$$

$$\begin{array}{l}
\lambda = \frac{84}{20} \cdot 0.04 - \frac{84.0.04 \cdot 20}{24.0.04 \cdot 20} = \frac{21}{20} \cdot (\frac{125}{20}) = \frac{84.0.04 \cdot 20}{24.025} = \frac{21}{20} \cdot (\frac{125}{20}) = \frac{21}{100} \cdot (\frac{125}{20}) = \frac{125}{100} \cdot (\frac{12$$

$$E(0|X) = \frac{18}{18 + 103} = \frac{13}{121}$$

$$Var(0|X) = \frac{18 \cdot 103}{(18 + 103)^2 \cdot (18 - 103 + 1)} = \frac{19 \cdot 103}{121^2 \cdot 122} = \frac{9 \cdot 103}{121^2 \cdot 61} \approx 10^{-3}$$



5. p(0 < 0.1) ~ (2.053)

6. Central 9590 confibence interval. $0.0913 \le \theta \le 0.2171$

All calculations related to 526 are available in the ipyno at tasked.