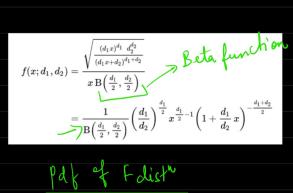
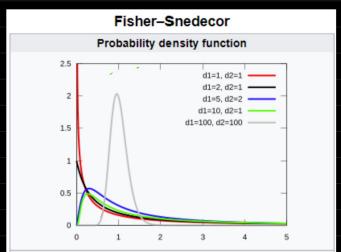
F-distribution (fisher-Snederor dist)

- The f-distribution is a probability distribution that is useful in the context of comparing variances of two or more sample.
- -> It is right skewed and takes only how negative values.





The f dust mith $d_1 \& d_2$ (degree of freedom) is the the distribution of X given by $X = \frac{S_1|d_1}{S_2|d}$

Where S12 S2 are
independent roundom
variables with
Chi-Square distribution,
d, 2 dr degre of freedom

Fs latish $s = S_1^2$ (Variance S_2^2 ration test)

o = population std s - Sample standard dev".

Observations

-> Since St & St is there, its a non-negative distribution

-> As dof 1 & dof 2 is >> 30, the foliate behaves approximately

