?
1
?
?
?
?
?
?
?

??
D_i
D_{i+1}

$$Difference(D_i, D_{i+1}) > C \tag{1}$$

D_i
D_{i+1}
C

$$(1-(0.73/0.75))*100 > 0.015 \tag{2}$$

$dif(D_i, D_{i+1})$
D_1
D_{1+i}

$$Difference(D_1, D_{1+i}) > C \tag{3}$$

$dif(D_1, D_{1+i})$
85.5% **0.9341.0000.538**
??
N

$$F(x) = n - a\exp^{-kx} \tag{4}$$

a
k
n
x
?
3σ
$_example.png Example of a prediction curve for topic CD008081. Confidence bars are included over \sigma$
?
2
$_fit.png Visualisation of using a confidence interval for predicting a stopping point using a gp.$
?
T
??
?

$$\lambda = \frac{r_i}{|D|} \tag{5}$$

r_i
$|D|$

$$\lambda = \frac{7}{100} = 0.07 \tag{6}$$

n

$$P = 1 - e^{0.7n} \tag{7}$$

r
n

$$P(n = r) = \frac{(\lambda n)^r}{r!} e^{-\lambda n} \tag{8}$$

$r!$

$$r \approx \sqrt{2\pi n}\left(\frac{r}{e}\right)^r \tag{9}$$

n
s

$$s = \sum_{0,i<0.95}^{|n|} \frac{(\lambda i)^r}{stirling(r!)} e^{-\lambda i} \tag{10}$$

$\lambda(x)$
a
b
x

$$\int_a^b \lambda(x)d(x) = \Lambda(a,b)$$