Beyesian opeinization

Teroles yrellenerus.

 $f(x) \gg mox$

- 1) flx) out goporo/gouro belluciame
- 2) Pazueppeeme ne cumper Soulmag le souce neck. geconnoch doeveen

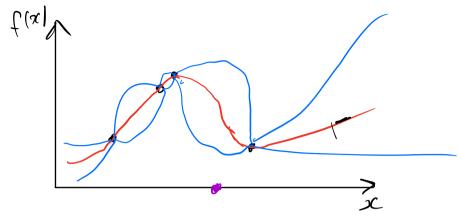
Trullt.

- 1) Wylu zeriemo
- 2) Willia Swy scen ra k npoglariumenistic
- 3) f(x) gent zerlenna l'upode c xaparmenucumunamu ec

Onnueuzalle!

Mar o Muelu benoontry

Mor 1 Oyeum GP no D Trocupoum Mx) (6/x) 4x



Mar 2.

Acquaintance function
$$\mathcal{L}(x) = \mathcal{L}(M(x), 6(x))$$

$$\mathcal{L}(x) = M(x) - \beta 6(x)$$

$$x_{new} = \text{cury mox } \mathcal{L}(x)$$

$$f(x \text{ new}) \Rightarrow \emptyset$$

Nobmerant go exeguledente.

Y-train ~ 6P(0, K(x, x; 6, 8, 1)

S wmy k changepoints

$$\begin{cases}
\delta \in \mathbb{R}^{s} & K + \mathbb{Z}_{j: t > s_{j}} \\
\delta s_{\ell} & \delta s_{\ell}
\end{cases}$$

B veruem t: K+alt) &

$$Y_{j} = \left(S_{j} - m - \sum_{\ell \in j} f_{\ell}\right) / 1 - \frac{K + \sum_{\ell \in j} \delta_{\ell}}{K + \sum_{\ell \in j} \delta_{\ell}}$$

$$f(+) = \Lambda + \exp(-\left[x + \alpha(t)^{\delta}\right)\left[t - \left(m + \alpha(t)^{\delta}\right)\right]$$

$$f(+) = -S; \delta;$$

$$\delta_{j} \sim Lapace(0,T)$$
:

1) full bouyesion inference 2) $\lambda = \frac{1}{s} \sum_{j=1}^{s} |\delta_{j}|$

$$2) \lambda = \frac{1}{s} \sum_{i=1}^{s} |\delta_{i}|$$

$$S(t) = \sum_{n=1}^{N} \left(a_n \cos \left(\frac{2\pi nt}{p} \right) + b_n \sin \left(\frac{2\pi nt}{p} \right) \right)$$

$$W-3$$

Slt)=
$$X$$
 (t) β
 β = $\begin{pmatrix} \alpha_1 \\ 6_1 \\ \alpha_2 \\ b_2 \\ \vdots \end{pmatrix}$ $\beta \sim N(0, 6^2)$

Hol: days