$$y = e^{nx}$$

$$\sum_{i=1}^{\infty} \frac{x_{i}R_{i}}{(x_{i},y_{i}),...,(x_{n},y_{n})}$$

A)
$$SSR = \sum_{i=1}^{n} (\hat{y}_{i} - \hat{y}_{i})^{2} = \sum_{i=1}^{n} (e^{wx_{i}} - \hat{y}_{i})^{2}$$

B)
$$\frac{\partial \mathcal{L}(e^{ix})}{\partial \omega} = \frac{2(e^{ix} - y_i)(x_i e^{ix})}{2(e^{ix} - y_i)(x_i e^{ix})}$$

$$\frac{\mathcal{B}}{\partial \omega} = \sum_{i=1}^{n} \frac{2(e^{i\alpha_i} - y_i)(x_i e^{i\alpha_i} - o)}{2(e^{i\alpha_i} - y_i)(x_i e^{i\alpha_i} - o)}$$

$$\frac{\partial \omega}{\partial \omega} = \frac{2(e^{-y_i})(x_i e^{-x_i})}{\sqrt{x_i}}$$

$$\Rightarrow \frac{D(SSR)}{Dw} = 2 \stackrel{\text{Ne}}{\geq} (e - g_i) \approx i e$$

Gradient descent formulas
$$w_{1+1} = w_1 - \lambda \frac{\partial SSR}{\partial \omega}$$

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$$\Rightarrow w_{++} = w_{+} - \alpha \cdot 2 \stackrel{\text{Z}}{=} (e^{w_{t}x_{-}} - y_{t}) x_{t} e^{w_{t}x_{t}}$$

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$$\frac{\partial(SSR)}{\partial \omega} = 0 \implies 2 \stackrel{\circ}{\underset{i=1}{\sum}} (e^{-\eta_i}) \alpha_i e^{-\theta_i}$$

$$\Rightarrow \sum_{i=1}^{n} \begin{bmatrix} 2wx_{i} \\ e \\ x_{i} - e \end{bmatrix} = 0 \Rightarrow \sum_{i=1}^{n} x_{i}e = \sum_{i=1}^{n} x_{i}y_{i}e$$

$$correct angle = option (2)e$$

$$= \sum_{i=1}^{\infty} \left[e^{2ix_i} - e^{-y_i} z_i \right] = 0 \Rightarrow \sum_{i=1}^{\infty} z_i e^{-z_i} = \sum_{i=1}^{\infty} z_i y_i e^{-z_i}$$

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