## 1. Softmax

2019년 1월 13일 일요일

오후 11:03

## 1. Softmax (x) = 50tmax(x+c)

(proof) 
$$\iff$$
 softmax  $(x)_{\hat{n}} = \text{softmax}(x_{\hat{n}} + c)$  for all  $\hat{n}$ 

$$(\overline{AH}) = \frac{e^{x_i}}{\sum_{s} e^{x_s}}$$

$$(AH) = \frac{e^{x_i} \cdot e^{x_i}}{\sum_{j} e^{x_j} \cdot e^{x_j}} = \frac{e^{x_i} \cdot e^{x_j}}{\sum_{j} e^{x_j} \cdot e^{x_j}} = \frac{e^{x_i} \cdot e^{x_j}}{\sum_{j} e^{x_j}} = \frac{e^{x_i} \cdot e^{x_j}}{\sum_{j} e^{x_j}}$$

2. Prof or vectoral element it of many 349, exp(n) & such H294 overflow 4274.

The one stands  $(x) \rightarrow 0.820^{2}$  and  $(x) \rightarrow$