| Maximum Likelihood Estimate by Automatic Differentiation |
|--|
| for Benoulli Distribution |
| Weather Sold |
| И~ Benoulli (Ө) |
| have some take D= { G, G, G, B, G, B, } |
| put no 0 |
| $\log - \text{libelihood} \mathcal{L}(D;\theta) = \sum_{i=0}^{N-1} (J^{c_i}) \log \theta + (J - w^{c_i}) \log (J - \theta)$ |
| $\Theta^{*} = \operatorname{argmax} \ \ell(D, O)$ $\Theta \in [0, 1)$ |
| 2l JAcous (i) |
| Losolve gradient-based optimitation by Automate Differentiation |
| lue da not have de provide deivade) |
| O'' = acq min (1(0,5)) regative log sikelshood |

 θe [0/N] = loss fuction"