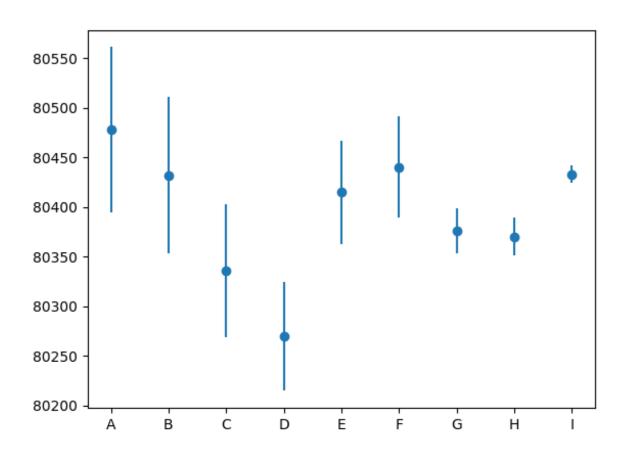
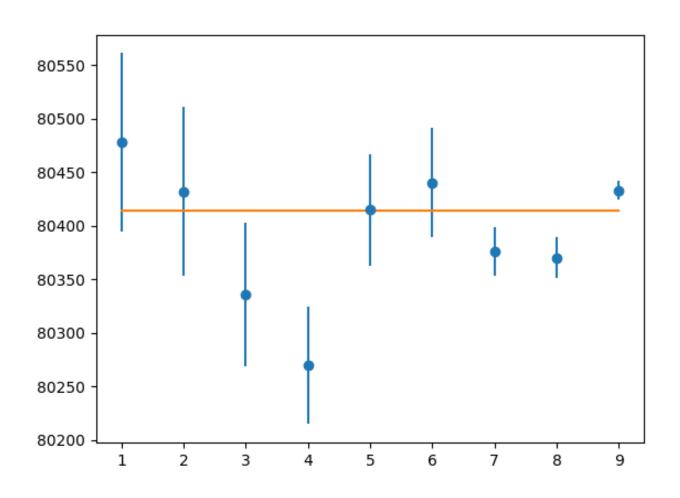
# 전산물리학 기말고사

물리학과 20182326 이선민

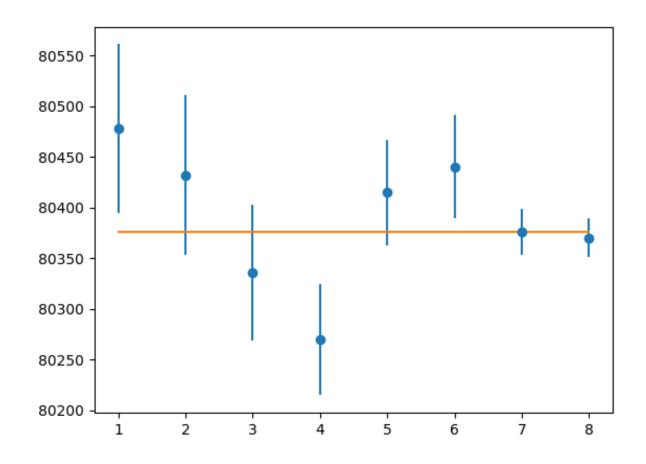


• raw counts: [940152, 1036581, 1437708, 2130007, 2391483, 2487733, 12212289, 17892900, 79869969]



- P-value = (0.005573665076474262, 9.444704274609168e-09)
- Error = [7.32858479]
- Chisquare = 21.666158868075645

- P-value = (0.005573665076474262, 9.444704274609168e-09)
- Since the p value is less than or equal to 0.05, the result of fitting with a constant model is not valid for describing the data.



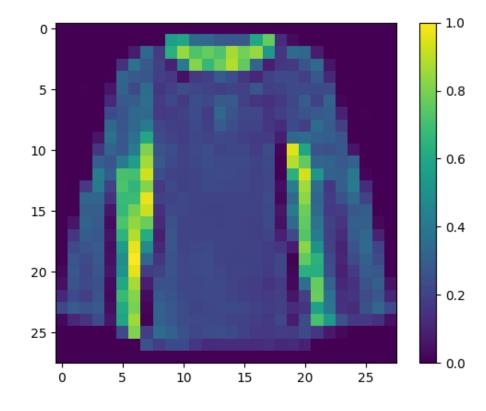
P-value = (0.305248908801085, 1.0915714800716985e-09) Error = [12.62543013] Chisquare = 8.31972948911153

- If the last value is subtracted and fitted, the p value is more than 0.05, indicating that it is more effective to explain the data.
- Since the p value is 0.3, the probability that the chi square value is greater than 8.3197 is 3/10. Therefore, this is a better model than the previous model.

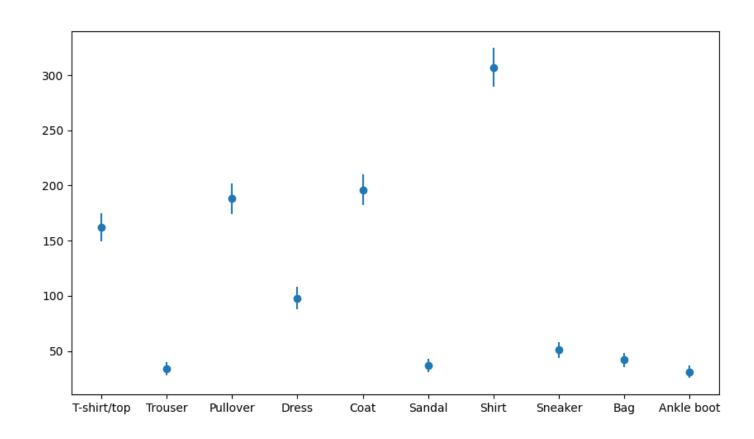
## 문제 2- 1,2

I use DNN algorithm to train the MNIST fashion data.

Test accuracy: 0.8821000456809998



## 문제 2-3



### 문제 2-4

- Shirt classes are classified incorrectly compared to other classes.
- The reason is probably that there are many incorrectly classified because it is not well distinguished from top clothes such as dress or T-shirt.
- Based on the data provided, the algorithm worked best in the three classes, Ankleboot, Trouser, and Sandal, and worst in the shirt class.