## 11310CS460200 Group 23 Meeting Minutes

Topic	Progress Report								
Place	Discord Voice Chat								
Agenda	Discuss deadline for model training & progress report								
In attendance	All present								
Task Assigned	游松澤: collecting starting pitcher datasets								
	曾柏勲: collecting closer pitcher datasets								
	蕭以勝, 楊立慈, 賴允中: model design								
Next meeting	<u>Date</u> : 12/3								
	<u>Time</u> : 8:00 ~ 9:00 pm								
	Objective: Starting on phase4								
	<u>Location</u> : Discord Voice Chat								

## Meeting Summary:

1. We put the dataset into the model and get 53% accuracy.

```
52/52
                               - 2s 27ms/step - accuracy: 0.4648 - loss: 1.4322 - val_accuracy: 0.5290 - val_
    Epoch 16: early stopping
    Restoring model weights from the end of the best epoch: 11.
    Output is truncated. View as a scrollable element or open in a text editor. Adjust cell output settings...
        train_loss, train_accuracy = model.evaluate(X_train, y_train, verbose=1)
        print(f"training Loss: {train_loss}")
        print(f"training Accuracy: {train_accuracy}")
        print(f"valing Accuracy: {val_accuracy}")
                                                                                                           Pytho
··· 52/52 -
                              — 0s 4ms/step - accuracy: 0.4910 - loss: 1.5671
    training Loss: 1.5489451885223389
    training Accuracy: 0.5042117834091187
                              — 0s 5ms/step - accuracy: 0.5247 - loss: 1.5483
    valing Loss: 1.551474690437317
    valing Accuracy: 0.5290102362632751
        test_loss, test_accuracy = model.evaluate(X_test, y_test, verbose=1)
        print(f"Testing Loss: {test_loss}")
                                                                                                           Pytho
                               - 0s 5ms/step - accuracy: 0.4994 - loss: 1.5370
    16/16 -
    Testing Loss: 1.5520493984222412
    Testing Accuracy: 0.4938775599002838
```

- 2. We try to make it better by adding more features and adding some embedding.
- 3. We collect the dataset more detailed to get more use.

game_type	stand	p_throws	home_team	away_team	type	hit_location	bb_type	balls	strikes	game_year	pfx_x	pfx_z	plate_x	plate_z	on_3b	on_2b	on_1b	outs_when_up	inning	inning_topbot	hc_x	h
R	R	R	SEA	OAK	s	2.0		2	2	2024	0.86	-0.02	1.86	2.28				2	9	Bot		
R	R	R	SEA	OAK	В			1	2	2024	0.6	0.07	1.16	2.55				2	9	Bot		
R	R	R	SEA	OAK	s			1	1	2024	0.67	-0.02	1.38	2.33				2	9	Bot		
R	R	R	SEA	OAK	s			1	0	2024	0.93	-0.01	0.43	2.52				2	9	Bot		
R	R	R	SEA	OAK	В			0	0	2024	0.67	-0.04	-0.91	3.31				2	9	Bot		
R	L	R	SEA	OAK	s	2.0		2	2	2024	0.63	-0.07	1.66	0.45				1	9	Bot		
R	L	R	SEA	OAK	s			2	2	2024	0.82	-0.11	1.39	2.58				1	9	Bot		
R	L	R	SEA	OAK	s			2	1	2024	-0.97	1.31	0.48	2.35				1	9	Bot		
R	L	R	SEA	OAK	В			1	1	2024	-1.19	0.52	0.02	1.46				1	9	Bot		
R	L	R	SEA	OAK	s			1	0	2024	-0.84	1.47	-0.23	1.71				1	9	Bot		
R	L	R	SEA	OAK	В			0	0	2024	-1.03	1.57	-1.65	2.69				1	9	Bot		
R	L	R	SEA	OAK	x		line_drive	0	0	2024	-0.81	1.41	0.53	1.99			677594.0	1	9	Bot	186.5	5
R	L	R	SEA	OAK	s	2.0		0	2	2024	0.54	-0.22	1.25	0.9			677594.0	0	9	Bot		
R	L	R	SEA	OAK	s			0	1	2024	0.94	-0.1	0.46	2.35			677594.0	0	9	Bot		
R	L	R	SEA	OAK	s			0	0	2024	-0.76	1.56	-0.13	3.41			677594.0	0	9	Bot		
R	R	R	SEA	OAK	x	7.0	line_drive	0	1	2024	-1.04	1.08	-0.76	3.08				0	9	Bot	90.59	7
R	R	R	SEA	OAK	s			0	0	2024	-0.74	1.46	0.64	3.21				0	9	Bot		
R	L	R	OAK	TEX	x	5.0	ground_ball	1	2	2024	-0.93	1.36	0.02	2.32				2	9	Тор	106.87	1
R	L	R	OAK	TEX	s			1	2	2024	-0.94	1.48	0.52	3.07				2	9	Тор		
R	L	R	OAK	TEX	В			0	2	2024	0.99	0.1	-1.11	2.98				2	9	Тор		
D.		n	044	TEV	c			0	4	2024	0.02	1.43	0.03	2.01				2	0	Ton		

4. More detail we already discussed in discord so we didn't put it in here.

A group photo of the discussion session: Holl ister 想找點事做嗎? 立即開始玩遊戲或觀看播放清單上的影片吧。 □ 不要再提示我。 %