

Students' Preference over Teaching Environment in HKU



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Apr 22nd



Our Learning Environment and SFTL?

Heritage Fiesta 2019
Location Map of Major HKU Heritage Buildings
2019 古蹟周遊樂
香港大學主要歷史建築位置圖

Student Feedback on
Teaching and Learning

SFTL

“I like taking courses in CYM!”

“I hate having lectures on Sunday!”

“I prefer shorter lectures!”

Thank you for participating in HKU's Student Feedback on Teaching and Learning (SFTL). Since all SFTL responses are [anonymous](#), we encourage you to tell us as much as possible about your learning experience. Indeed, constructive feedback is crucial for improving courses and teaching at HKU. The course effectiveness summary will be shared with all students through the Student Information System (SIS). For more detailed information, please click the FAQs [here](#).

Current time: 2024-04-15 15:53

Form completed: 0%

Data Sources



Student Information System (SIS)
The University of Hong Kong

Timetable

Get Class Timetable

Class Timetable

Instructor information provided herein (mainly for UG courses) are for reference only and subject to changes. Students should consult the offering department(s) concerned for the latest update.

Download Class Timetable (for 2023-24) (updated on 20240123 7:20)

My Timetable (Lectures and Tutorials)

Size: 25758×20

My Timetable (Lectures and Tutorials) shows your tutorial classes selected in Tutorial Sign-up (in My eLearning tab) combined with lecture timetable in a weekly manner. Please refer to <http://moodle-support.hku.hk/tutorial-sign-application-student> for more details about Tutorial Sign-up.

My Timetable (Lectures and Tutorials)

Note: If you have dropped a class, corresponding tutorial timetable will be removed on the next

https://intraweb.hku.hk/reserved_1/sis_student/sis/SIS-class-timetable.html



香港大學
THE UNIVERSITY OF HONG KONG

HKU PORTAL

Last Login: APR 15 2024 16:11:00 (HKT)

Course Effectiveness Profile

My Page MyEmail My eLearning MyLibrary Events MyFaculty

- Enrollment
 - Class Schedule Planner
 - Course Selection Chatbot
 - GPT
 - Declare
 - Major/Minor/Special
 - Course Information
 - Course Effectiveness Profile
- Enrollment Add Classes
- Enrollment Drop Classes
- Enrollment Status
- Common Core Queue
- Position
- My Course History
- Timetables
 - Class Timetable
 - My Weekly Schedule
 - Examinations Timetable
- Academic Records
 - View My Grades
 - Transcript (Student Copy)
 - My Degree Audit
 - My Degree Classification
- Financial Services
 - Account Summary & Transactions
 - My Invoice
 - My Receipt
 - FPS Payment

Get SFTL Scores for each course

Course Effectiveness Profile

Academic Career (UG/TPG/RPG)

*Subject Area (first four characters of course code)

Catalogue Number (last four digits of course code)

Please click the "Refresh" button to retrieve or update the list.

Refresh

Personalize | Find | View 100 |

Academic Year	Semester	Academic Career	Subject Area	Catalogue Number	Course Title	Enrollment #	Response #	Response Rate (%)	Mean Course Effectiveness	Course Coordinator's Comments
1 2022-23	1	UG	COMP	1117	Computer programming	349	173	50	85.5	
2 2022-23	2	UG	COMP	1117	Computer programming	278	120	43	75.6	
3 2021-22	Y	UG	COMP	1117	Computer programming	630	197	31	79.6	
4 2022-23	1	UG	COMP	2113	Programming technologies	147	42	29	72.0	
5 2022-23	2	UG	COMP	2113	Programming technologies	116	47	41	80.3	
6 2021-22	Y	UG	COMP	2113	Programming technologies	293	65	22	78.3	
7 2022-23	2	UG	COMP	2119	Introduction to data structures and algorithms	149	50	34	79.5	
8 2022-23	1	UG	COMP	2119	Introduction to data structures and algorithms	299	146	49	73.6	Students generally find the course is a foundation course and difficulty standard need to be well-trained in the subject. T
9 2021-22	Y	UG	COMP	2119	Introduction to data structures and algorithms	441	121	27	75.0	
10 2022-23	2	UG	COMP	2120	Computer organization	298	121	41	75.2	
11 2021-22	Y	UG	COMP	2120	Computer organization	279	75	27	76.7	
12 2020-21	Y	UG	COMP	2120	Computer organization	263	61	23	79.9	
13 2022-23	1	UG	COMP	2121	Discrete mathematics	264	138	52	70.7	

Size: 10635×11

<https://sis-eportal.hku.hk/>



Data Tidying

```
library(readxl)
class_timetable_23_24 <- read_excel("Downloads/2023-24_class_timetable_20240123 (2).xlsx")
selected.columns <- class_timetable_23_24[, c("ACAD_CAREER", "COURSE_CODE", "MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN", "VENUE", "START TIME", "END TIME", "OFFER DEPT")]
selected.columns <- selected.columns[selected.columns$ACAD_CAREER == "UG", ]
selected.columns <- distinct(selected.columns)
selected.columns <- replace(selected.columns$VENUE, grep("ALE", selected.columns$VENUE), "LE")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("CJT", selected.columns$VENUE), "CJT")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("ARR", selected.columns$VENUE), "RR")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("KKB", selected.columns$VENUE), "KB")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("AMB", selected.columns$VENUE), "MB")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("KKK", selected.columns$VENUE), "KK")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("CDP", selected.columns$VENUE), "CDP")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("MWV", selected.columns$VENUE), "MW")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("CYPP|ACYCC|ACYC", selected.columns$VENUE), "CYM")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("JL", selected.columns$VENUE), "JL")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("HWH", selected.columns$VENUE), "HW")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("ACBL|ACBLC", selected.columns$VENUE), "CB")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("CRT", selected.columns$VENUE), "CRT")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("ATT", selected.columns$VENUE), "TT")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("RMR", selected.columns$VENUE), "RM")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("EHH", selected.columns$VENUE), "EH")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("KA", selected.columns$VENUE), "KA")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("TWE", selected.columns$VENUE), "INNO")
selected.columns$VENUE <- replace(selected.columns$VENUE, grep("ACT", selected.columns$VENUE), "CT")
venues_to_delete <- c("MSDCOMLAB", "SNY", "LBMPZ", "LG12", "201", "FHLMDL1", "FMLG-19", "FMLG-20")
selected.columns <- selected.columns[(!selected.columns$VENUE %in% venues_to_delete), ]
selected.columns <- selected.columns[is.na(selected.columns$VENUE), ]
selected.columns$START TIME <- sub(".*", "", selected.columns$START TIME)
selected.columns$START TIME <- sub(":00$", "", selected.columns$START TIME)
selected.columns$END TIME <- sub(".*", "", selected.columns$END TIME)
selected.columns$END TIME <- sub(":00$", "", selected.columns$END TIME)
selected.columns <- distinct(selected.columns)
selected.columns$ACAD_CAREER <- NULL
start_time <- as.POSIXct(selected.columns$START TIME, format = "%H:%M")
end_time <- as.POSIXct(selected.columns$END TIME, format = "%H:%M")
selected.columns$DURATION <- as.numeric(difftime(end_time, start_time, units = "mins"))
selected.columns$END TIME <- NULL
selected.columns$DAY <- apply(selected.columns[, c("MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN")], 1, function(x) {
  unique_values <- na.omit(x)
  if (length(unique_values) == 1) {
    unique_values
  } else {
    NA
  }
})
selected.columns <- selected.columns[, !(colnames(selected.columns) %in% c("MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"))]
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT == "Business & Economics Faculty", "Faculty of Business and Econom")
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT %in% c("Dept of Architecture", "Architecture Faculty", "Dept of Urban Planning & Desig", "Dept of Real Estate & Construc", "Faculty of Architecture"))
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT %in% c("Arts Faculty", "Centre of Buddhist Studies", "Faculty of Arts"))
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT %in% c("School of Biomedical Sciences", "School of Public Health", "School of Nursing", "Faculty of Medicine"))
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT %in% c("Social Sciences Faculty", "School of Humanities", "Dept of Sociology", "Dept of Soc Work & Social Admi", "Dept of Politics & Public Admi", "Journa
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT == "Education Faculty", "Faculty of Education")
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT %in% c("Science Faculty", "Dept of Geography"), "Faculty of Science")
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT %in% c("School of Chinese", "School of English", "School of Modern Languages & C", "Centre for Applied English Stu"), "School of Modern Languages")
selected.columns$OFFER DEPT <- replace(selected.columns$OFFER DEPT, selected.columns$OFFER DEPT %in% c("Engineering Faculty", "Dept of Computer Science", "Dept of Industrial & Mfg Sys E", "Dept of Electrical & Electroni", "Dept of Civil Engineering", "Dep
selected.columns <- selected.columns[selected.columns$OFFER DEPT != "University Central", ]
selected.columns <- selected.columns[complete.cases(selected.columns$DAY), ]
matched_table <- selected.columns %>% inner_join(SFTL_table, by = "COURSE CODE")
```

Data tidying for ClassTimetable

COURSE CODE	VENUE	START TIME	OFFER DEPT	DURATION	DAY
26 ACCT2102	KK	13:30	Faculty of Business and Econom	170	TUE
27 ACCT2105	CPD	11:30	Faculty of Business and Econom	50	MON
28 ACCT2105	KK	10:30	Faculty of Business and Econom	110	THU
29 ACCT2105	KK	14:30	Faculty of Business and Econom	50	MON
30 ACCT2105	KK	13:30	Faculty of Business and Econom	110	THU
31 ACCT2105	CPD	09:30	Faculty of Business and Econom	170	MON
32 ACCT3103	MW	09:30	Faculty of Business and Econom	170	MON
33 ACCT3103	MW	14:30	Faculty of Business and Econom	170	MON
34 ACCT3106	KK	10:30	Faculty of Business and Econom	50	WED
35 ACCT3106	CYM	10:30	Faculty of Business and Econom	110	THU
36 ACCT3106	KK	11:30	Faculty of Business and Econom	50	WED
37 ACCT3106	KK	12:30	Faculty of Business and Econom	50	WED
38 ACCT3106	KK	09:30	Faculty of Business and Econom	50	TUE
39 ACCT3106	KK	10:30	Faculty of Business and Econom	50	TUE
40 ACCT3106	KK	11:30	Faculty of Business and Econom	50	TUE
41 ACCT3107	KK	12:30	Faculty of Business and Econom	110	MON
42 ACCT3107	KK	12:30	Faculty of Business and Econom	50	THU
43 ACCT3107	LE	15:30	Faculty of Business and Econom	110	MON

After tidying



Data Tidying

```
library(readxl)
SFTL_table <- read_excel("Library/CloudStorage/OneDrive-TheUniversityofHongKong/计算机教材/comp2501/project/SFTL_table.xlsx")
SFTL_table <- SFTL_table[, c("Subject Area", "Catalogue Number", "Enrollment #", "Mean Course Effectiveness")]
SFTL_table$`COURSE CODE` <- paste0(SFTL_table$`Subject Area`, SFTL_table$`Catalogue Number`)
SFTL_table <- SFTL_table[, !(names(SFTL_table) %in% c("Subject Area", "Catalogue Number"))]
SFTL_table <- SFTL_table[SFTL_table$`Mean Course Effectiveness` != "***", ]
SFTL_table <- SFTL_table %>% rename(SFTL_SCORE = `Mean Course Effectiveness`)
SFTL_table <- SFTL_table %>% mutate(SFTL_SCORE = as.numeric(SFTL_SCORE))
SFTL_table <- SFTL_table %> group_by(`COURSE CODE`) %> summarise(Enrollment = mean(`Enrollment #`), SFTL = mean(SFTL_SCORE))
```

Data Tidying for SFTL Table

After Tidying

	COURSE CODE	Enrollment	SFTL
1	ACCT1101	932.66667	85.50000
2	ACCT2102	228.33333	88.76667
3	ACCT2105	215.66667	85.60000
4	ACCT3103	165.00000	87.33333
5	ACCT3106	143.66667	88.70000
6	ACCT3107	187.00000	88.90000
7	ACCT3109	141.33333	86.00000
8	ACCT3111	22.00000	89.30000
9	ACCT3114	45.33333	82.20000
10	ACCT3115	18.00000	100.00000
11	ACCT4104	144.33333	94.70000
12	ACCT4110	19.33333	90.93333
13	AFIC1001	181.00000	59.00000
14	AFIC1002	170.00000	70.50000
15	AFIC1003	177.00000	56.30000
16	AFIC1004	179.00000	48.30000



Joining two Tables

```
matched_table <- selected_columns %>% inner_join(SFTL_table, by = "COURSE CODE")
```

	COURSE CODE	VENUE	START TIME	OFFER DEPT	DURATION	DAY	Enrollment	SFTL
80	ARCH4079	KB	14:30	Faculty of Architecture	230	TUE	41.000000	79.30000
81	ARCH4602	KK	16:30	Faculty of Architecture	110	THU	53.000000	62.40000
82	ARCH4603	LE	14:30	Faculty of Architecture	50	MON	48.666667	61.03333
83	ARCH4603	LE	14:30	Faculty of Architecture	50	THU	48.666667	61.03333
84	ARTH1008	LE	12:30	Faculty of Social Sciences	50	TUE	155.500000	87.00000
85	ARTH1008	LE	12:30	Faculty of Social Sciences	50	THU	155.500000	87.00000
86	ARTH2056	TT	13:30	Faculty of Social Sciences	170	TUE	33.000000	82.20000
87	ARTH2081	CPD	09:30	Faculty of Social Sciences	110	MON	40.000000	91.55000
88	ARTH3031	CPD	10:30	Faculty of Social Sciences	110	THU	8.000000	82.10000
89	ARTH4009	CPD	14:30	Faculty of Social Sciences	170	MON	8.500000	85.40000
90	BASC1001	CPD	12:30	Faculty of Social Sciences	110	MON	23.000000	72.50000
91	BASC9001	CYM	13:30	Faculty of Social Sciences	110	TUE	137.000000	65.33333
92	BBED1101	MW	15:30	Faculty of Education	110	MON	108.000000	86.83333
93	BBED1101	MW	10:30	Faculty of Education	110	TUE	108.000000	86.83333
94	BBED1101	RM	15:30	Faculty of Education	110	TUE	108.000000	86.83333
95	BBED2101	RM	15:30	Faculty of Education	110	MON	101.000000	83.80000

Size: 2859 × 8

Analysis Time !!!





What we have

Course Code	Venue	Start Time	Offer Dept	Duration	Day	Enrollment	SFTL Score
COMP2501	RHT	15:30	Faculty of Engineering	110	MON	106.33333	80.00000
COMP2501	CYM	15:30	Faculty of Engineering	50	THU	106.33333	80.00000

Very Interesting ! 😊❤️😊❤️😊

SFTL Distribution by OFFER DEPT

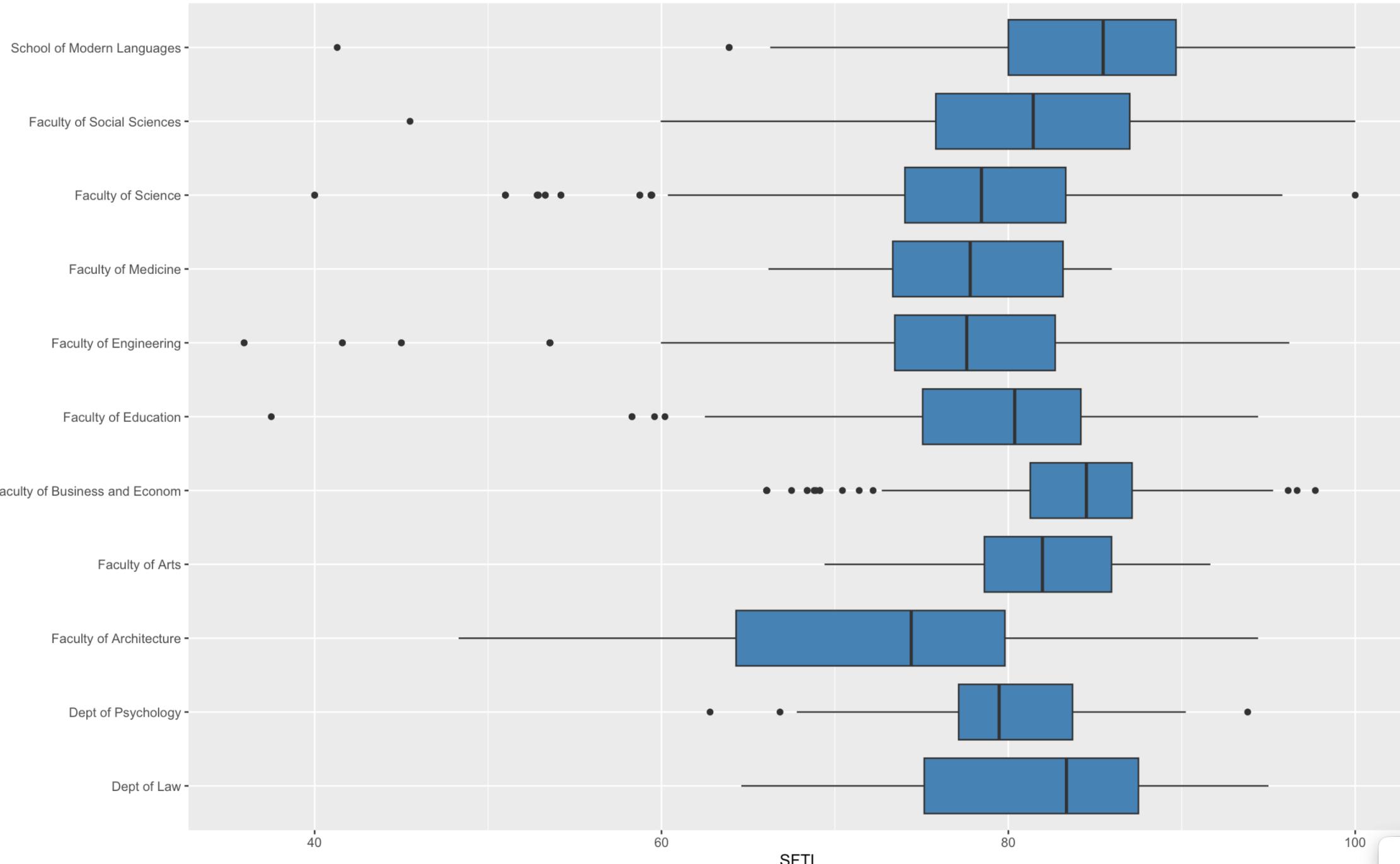


OFFER DEPT

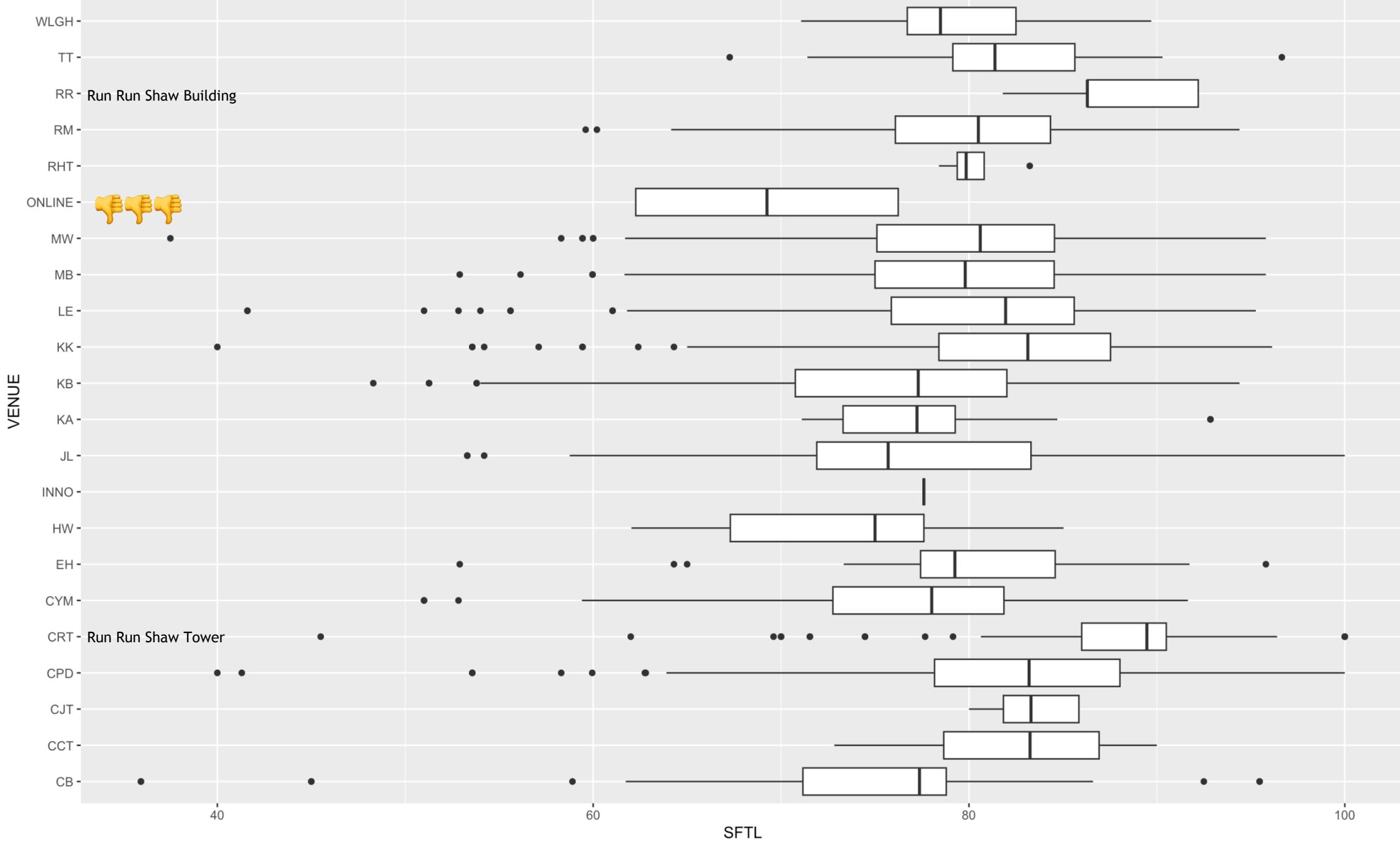
OFFER
DEPT

VS

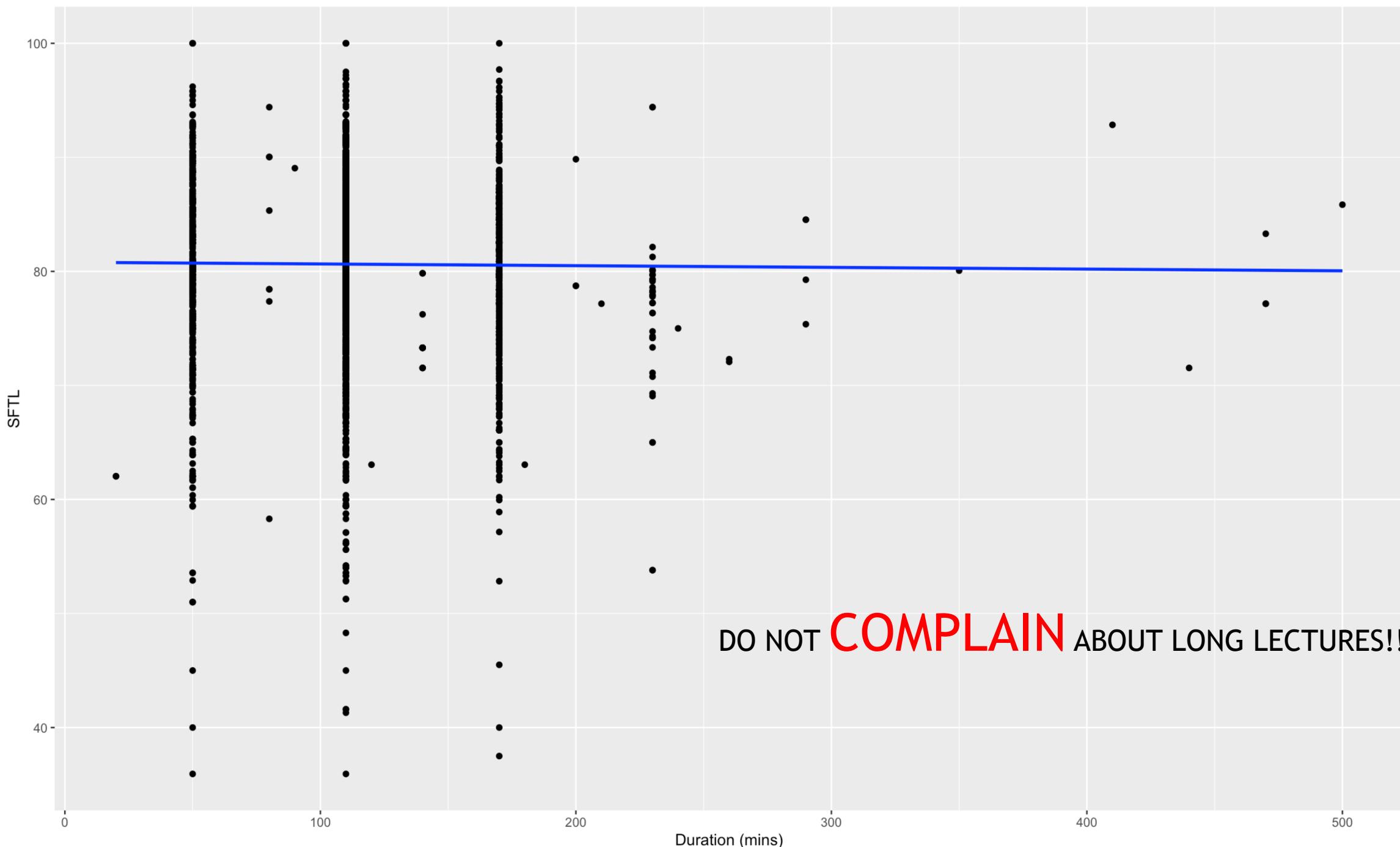
SFTL



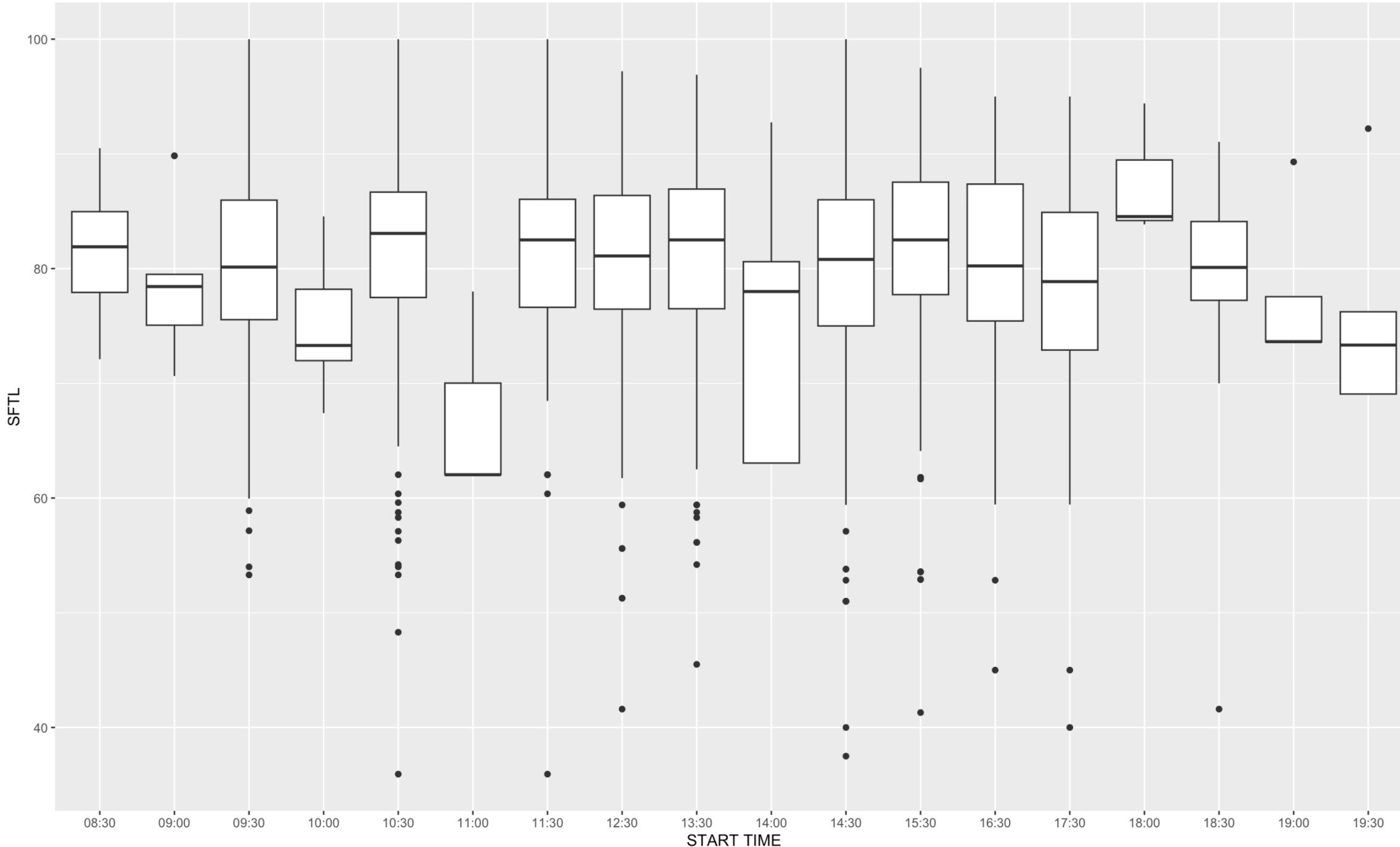
SFTL Distribution by Venue



Scatter Plot with Linear Regression Line



Box Plot of SFTL by START_TIME

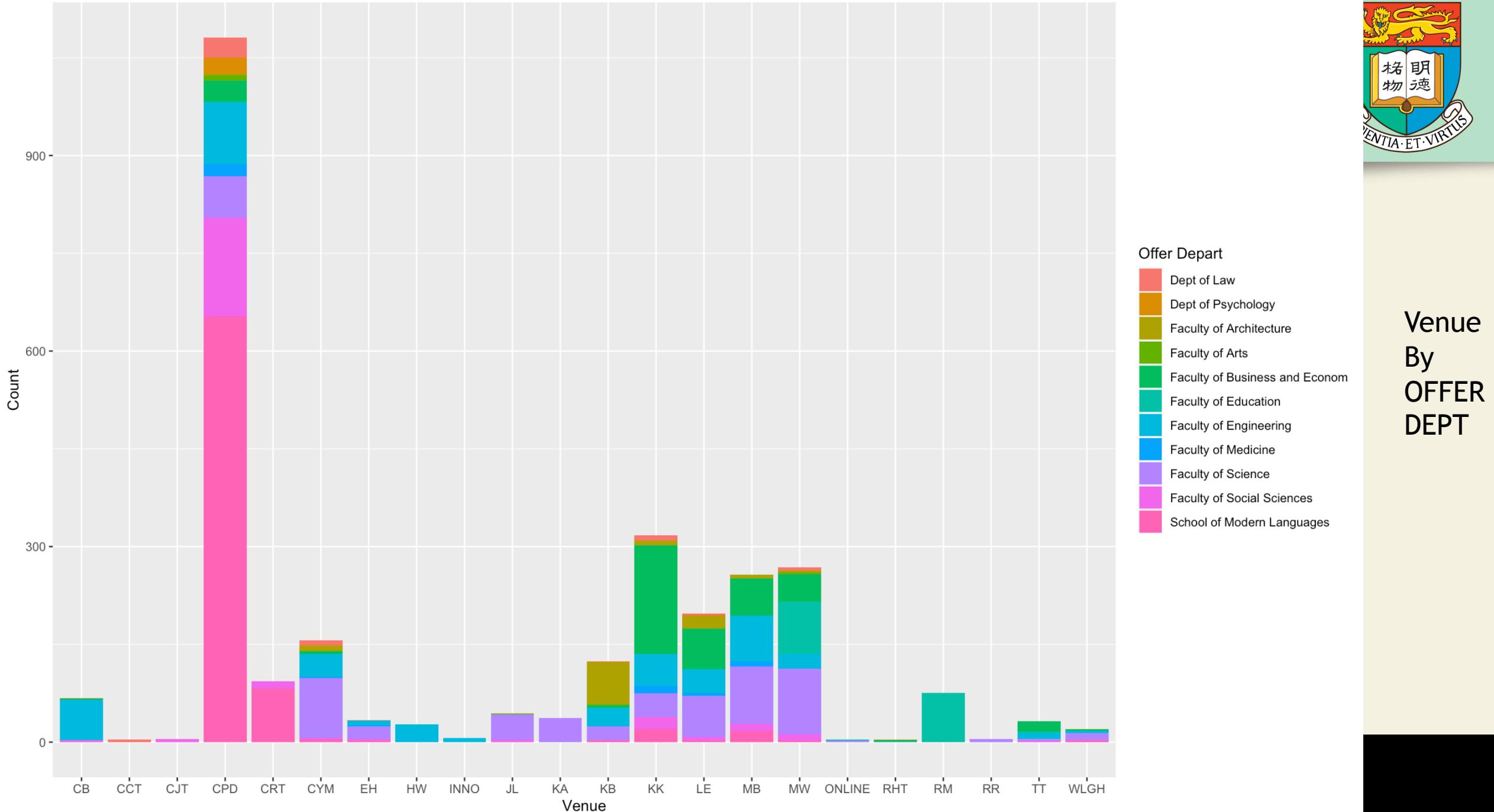


START
TIME

VS

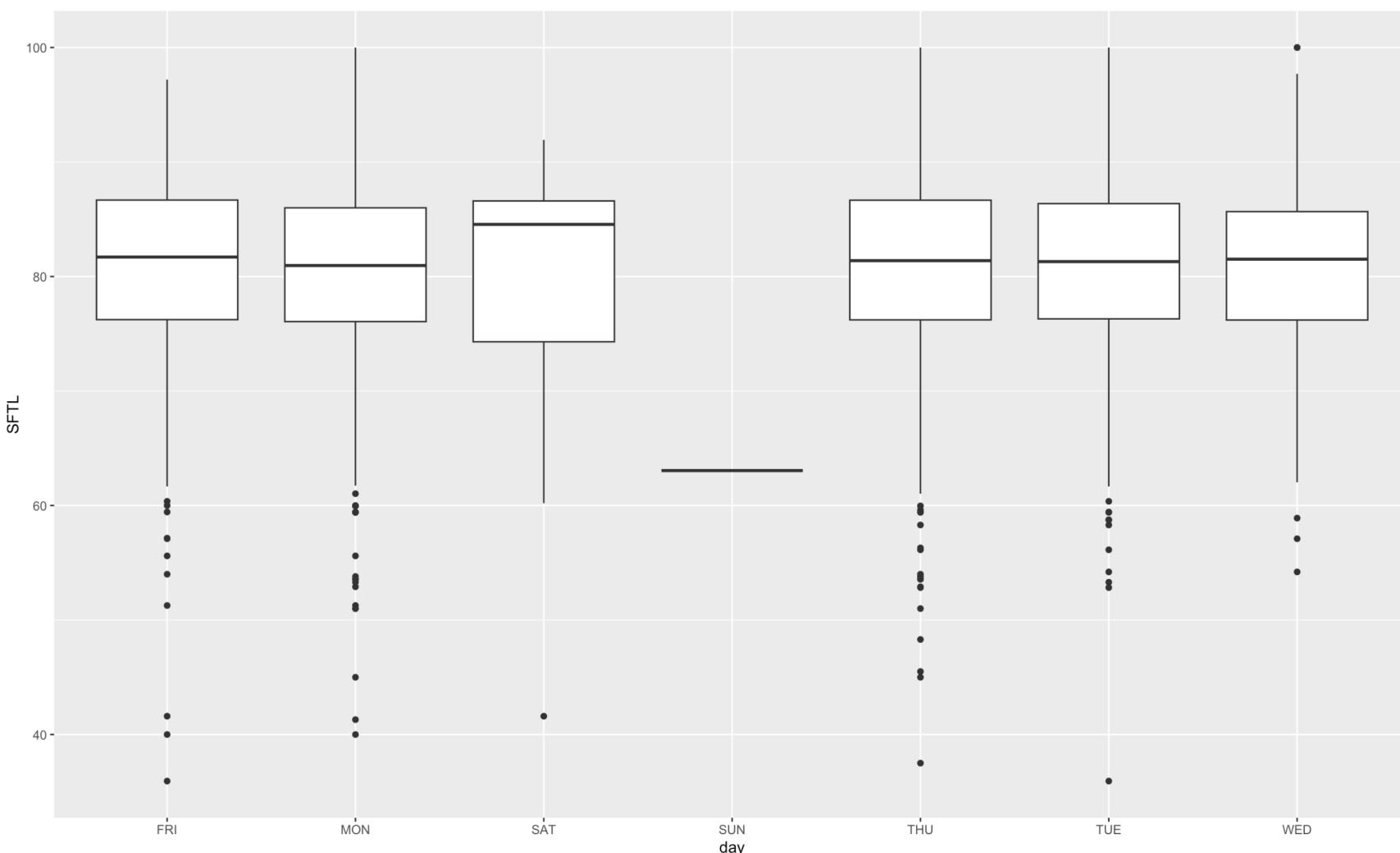
SFTL

Bar Plot of Venue by Offer Depart



Venue
By
OFFER
DEPT

Box Plot of SFTL



```
> subset(matched_table, DAY == "SUN")
```

```
# A tibble: 1 × 8
`COURSE CODE` `VENUE` `START TIME` `OFFER DEPT` DURATION DAY Enrollment SFTL
<chr>          <chr>    <chr>           <chr>      <dbl> <chr>      <dbl> <dbl>
1 DESN9002      CYM     14:00       Faculty of Architecture 110  SUN  138.  63.0
```

DESN9002



Day vs SFTL



COURSE CODE	SFTL
1 ELEC2843	35.93333
2 ELEC2843	35.93333
3 BECE6007	37.50000
4 ENVS3010	40.00000
5 ENVS3010	40.00000
6 GCIN2040	41.30000
7 CIVL4101	41.60000
8 CIVL4101	41.60000
9 COMP3358	45.00000
10 COMP3358	45.00000
11 CLIT2084	45.50000
12 AFIC1004	48.30000
13 CHEM2442	51.00000
14 CHEM2442	51.00000
15 CHEM2442	51.00000
16 RECO4007	51.26667
17 RECO4007	51.26667
18 BIOL2102	52.83333
19 BIOL2102	52.83333
20 PHYS3350	52.90000

Courses With Lowest SFTL

COURSE CODE	SFTL
1 CAES2004	100.00
2 CAES2004	100.00
3 MATH7501	100.00
4 THAI3001	100.00
5 THAI3001	100.00
6 ARTH2026	100.00
7 ARTH2026	100.00
8 GRMN3028	100.00
9 BUSI1802	97.70
10 HIST2178	97.50
11 ARTH2095	97.20
12 SINO2002	96.90
13 ARAB1002	96.90
14 ARAB1002	96.90
15 ARTH2061	96.90
16 POLI3148	96.70
17 FINA4321	96.65
18 ARAB2002	96.40
19 ARAB2002	96.40
20 COMP3353	96.20

Courses With Highest SFTL

Bioinformatics
Taught by Prof Luo
😊😊😊😊😊😊😊😊😊😊😊😊😊😊😊😊😊😊😊😊

Top 20 of 2859 rows



Thank You!

