Carpark Excel Results – Explained.

The standard excel outputs contains several areas of results and analysis, the information below aims to explain each section:

No.	Space Type	Zone
CP1	Marked Bay	1A
CP2	Marked Bay	1A
CP3	Marked Bay	1A
CP4	Marked Bay	1A
CP5	Marked Bay	1A

No. – Unique space number for each carpark space (CP1, CP2…CP50) matches the total number of spaces available including Outwith Bays.

Space Tyre – The type of individual space for Example a Standard, Disabled Parent & Child etc… Each space can only have a single classification – Outwith Bay represents an illegal parking occurrence.

Zone – a Group of spaces typically together in a continues row for ease of reporting (Number refers to the Carpark Ref ID and the letter the Zone – Starting from A)

07:00 - 08:00	08:00 - 09:00
Beat 1 Registration	Beat 2 Registration
RBO	RBO
	UZO
LFE	LFE
LKM	LKM

Time (07:00 – 08:00) – The survey beat time intervals (E.g. hourly beats, 30 min beats, 15 min beats etc) with Start time.

Beat Number – based on the time period and the starting beat – numerical order.

RBO (example) – Last 3 digits of the vehicle registration parked in the carpark space – GREEN CELLS are the 1st occurrence of that reg (new arrival), BLUE CELLS identifies that it's the same vehicle as the previous beat (existing vehicle).

Marked Bays	186
Unmarked Bays	0
Disabled Bays	8
Parent & Child	0
Drop Off Bay	0
E Charging Bays	2
Staff Only Bays	0
Permit Holders Only	0
Taxi Bay	2
Total	198
Outwith Bay	0

Space Types – total number of carpark spaces for the carpark broken down by Space Type – **outwith bay** is parking external to a marked space.

Beat Period	07:00 - 08:00
Arrivals	46
Departures	0
Occupancy	46
% Occupancy	23.2

Arrivals – The number of NEW arrivals logged during a survey beat.

Departures – The number of vehicle departures logged during a beat (vehicle no longer present in the space or change of vehicle last 3 registration marker logged).

Occupancy – number of spaces during the beat (example 07:00 – 08:00) which has a vehicle present.

% Occupancy – Calculation – Occupancy ÷ Available spaces within the carpark.

**Table Below covers Per Space stats.**

	Duration of stay (Hours)				
Zone	Hours space occupied	No. occupants	Maximum	Minimum	Average
1A	0.00	0.00	0.00	0.00	0.00
1A	0.00	0.00	0.00	0.00	0.00
1A	12.00	1.00	12.00	12.00	12.00
1A	8.00	1.00	8.00	8.00	8.00
1A	12.00	4.00	4.00	1.00	3.00

Hours Space Occupied – Number of beats that the space has a vehicle present.

No. of Occupants – The number of different vehicles parked during the survey – per space.

Max stay – The maximum duration a vehicle stayed – Space Specific.

Min stay – The minimum duration a vehicle stayed – Space Specific.

Average – The average duration a vehicle stayed – Space Specific – across the survey period.

Table Below covers Per Zone stats.

Zone	Average Utilisation of spaces in zone (hours)	Total Vehicles	Max Observed Stay	Min Observed Stay	Average Observed Stay
1A	7.29	100.00	12.00	0.00	4.28
1B	7.25	12.00	8.00	1.00	2.83
1C	8.88	33.00	12.00	1.00	6.50
1D	8.35	74.00	12.00	1.00	4.71
1E	8.41	71.00	12.00	1.00	5.20
1F	8.76	72.00	10.00	1.00	4.66
1G	8.00	11.00	8.00	1.00	3.94
1H	7.03	108.00	9.00	0.00	3.03
1I	5.67	33.00	4.00	1.00	1.64

Average Utilisation – average use of the spaces across the zone.

Total Vehicles – Total number of unique vehicles logged across the *zone* during the parking survey.

Max Observed stay – The maximum duration a vehicle stayed – Zone Specific.

Min Observed stay – The minimum duration a vehicle stayed – Zone Specific

Average Observed Stay – The average duration a vehicle stayed – Zone Specific – across the survey period.

Duration of Stay (in beats) table per arrival beat – Space Specific

07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00
Beat 1 Registration	Beat 2 Registration	Beat 3 Registration	Beat 4 Registration	Beat 5 Registration	Beat 6 Registration	Beat 7 Registration
12						
	8					
4				1	3	
		7				
2		6				
			1	3		
				2		3
			1		2	
				2		2
8						
				3		
			7			
				3		

The table above shows the number of beats each vehicle arrival has stayed (E.g. at 07:00-08:00 a vehicle arrived in the 3rd space and stayed for 12 beats).

No of vehicle Arrivals and Duration Table

Stay beat	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00
1	1	3	17
2	5	3	8
3	4	0	2
4	2	0	2
5	3	0	4
6	3	3	5
7	3	3	2
8	15	2	13
9	2	5	10
10	0	1	5
11	1	1	0
12	7	0	0

The table above shows the Number of vehicles that have arrived in each time period and how long (in beats) they have stayed for.

E.g for the **07:00- 08:00 arrival beat** there is the following findings:-

- 1 Vehicle stayed for 1 beat.
- 5 Vehicles stayed for 2 beats
- 4 Vehicles stayed for 3 beats
- 2 Vehicles stayed for 4 beats
- 3 Vehicles stayed for 5 beats ………