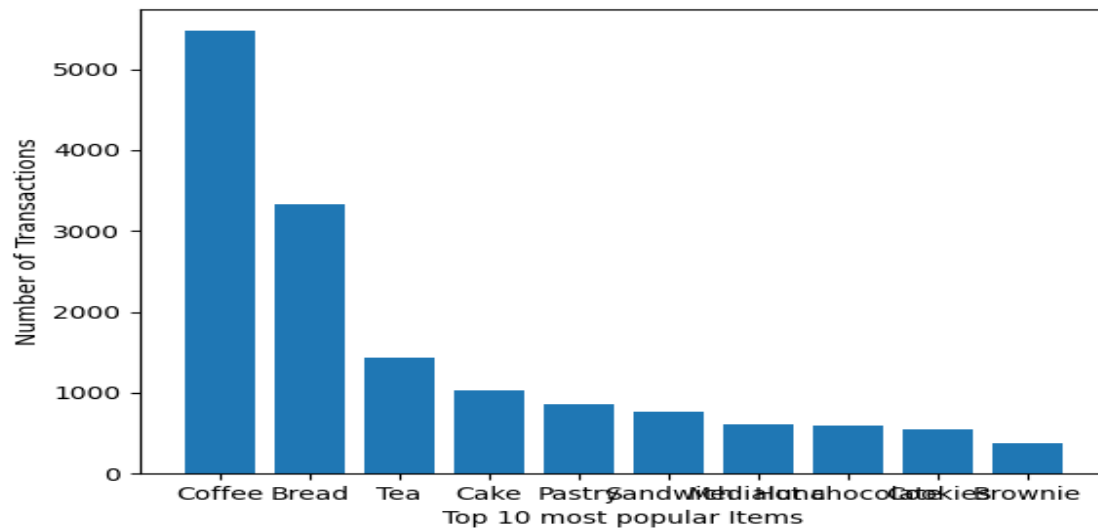


**Q1: Find out the frequency of top 10 selling items.**

Question 1 Answer:

Top 10 most popular items:

['Coffee', 'Bread', 'Tea', 'Cake', 'Pastry', 'Sandwich', 'Medialuna', 'Hot chocolate', 'Cookies', 'Brownie']

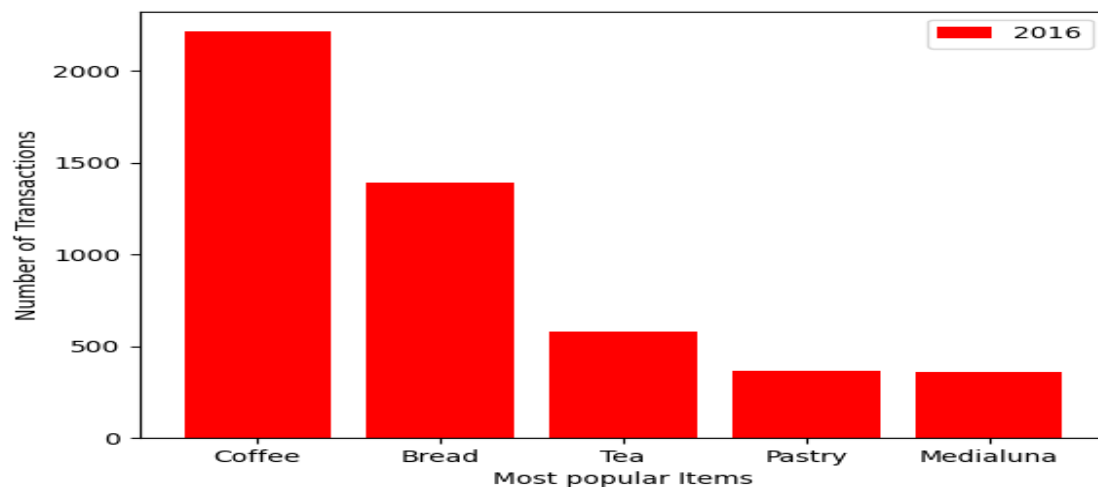


**Q2: Find out the five most popular bakery items in 2016.**

Question 2 Answer:

5 most popular items in 2016 is:

	Date	Time	Transaction	...	Day	Weekday	Hour
0	2016-10-30	2021-08-29 09:58:11	1	...	30	6	9
1	2016-10-30	2021-08-29 10:05:34	2	...	30	6	10
2	2016-10-30	2021-08-29 10:05:34	2	...	30	6	10
3	2016-10-30	2021-08-29 10:07:57	3	...	30	6	10
4	2016-10-30	2021-08-29 10:07:57	3	...	30	6	10

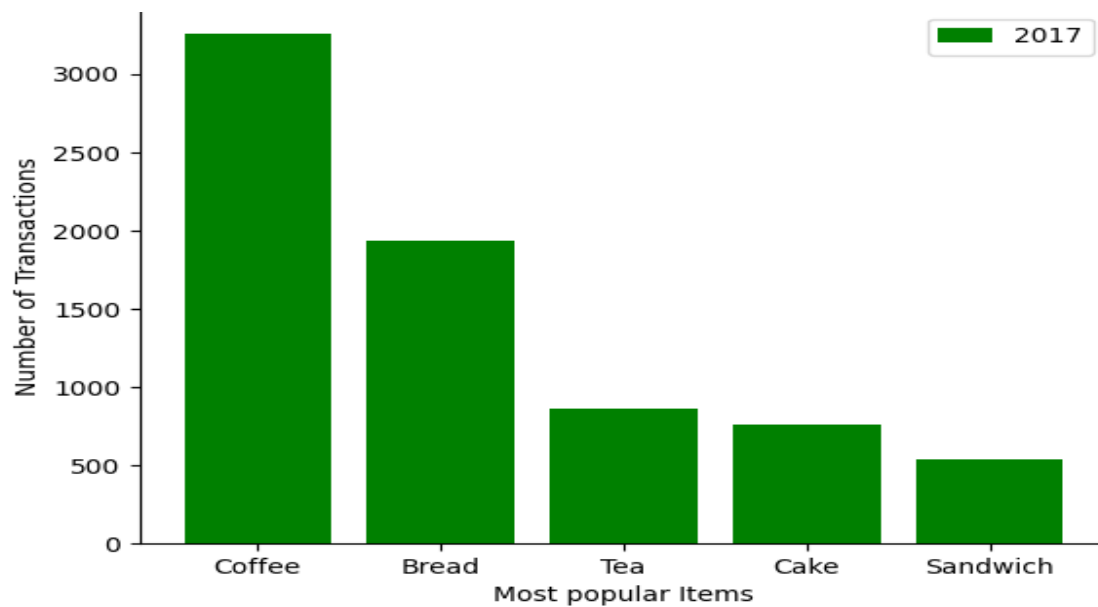


**Q3: Find out the five most popular bakery items in 2017.**

Question 3 Answer:

5 most popular items in 2017 is:

	Date	Time	Transaction	...	Day	Weekday	Hour
8561	2017-01-01	2021-08-29 01:21:05	4090	...	1	6	1
8562	2017-03-01	2021-08-29 09:08:01	4094	...	1	2	9
8563	2017-03-01	2021-08-29 09:14:31	4095	...	1	2	9
8564	2017-03-01	2021-08-29 09:14:31	4095	...	1	2	9
8565	2017-03-01	2021-08-29 09:17:54	4096	...	1	2	9

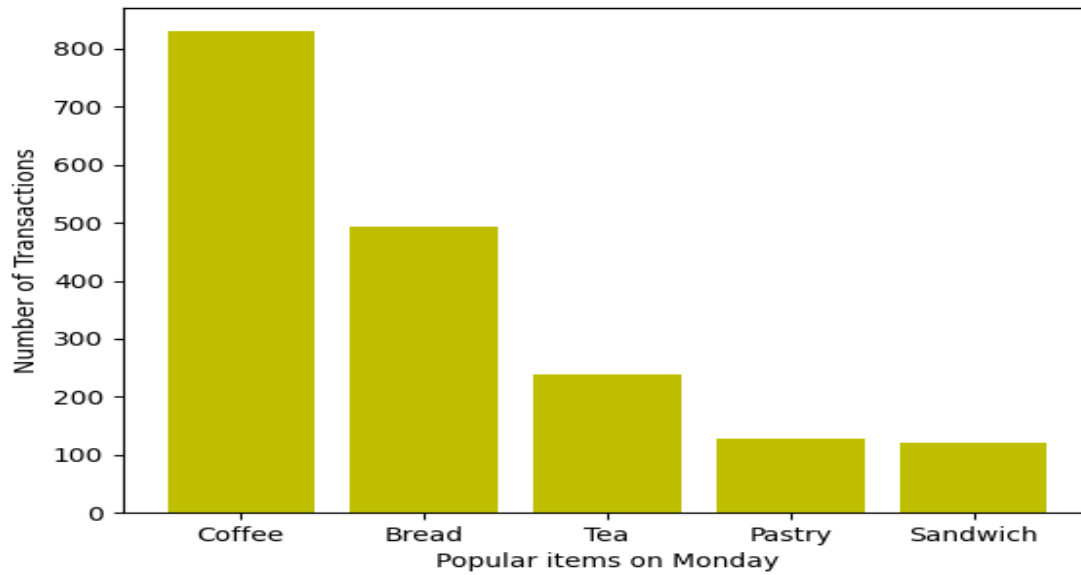


**Q4: Find out the five most popular items sold on Monday.**

Question 4 Answer:

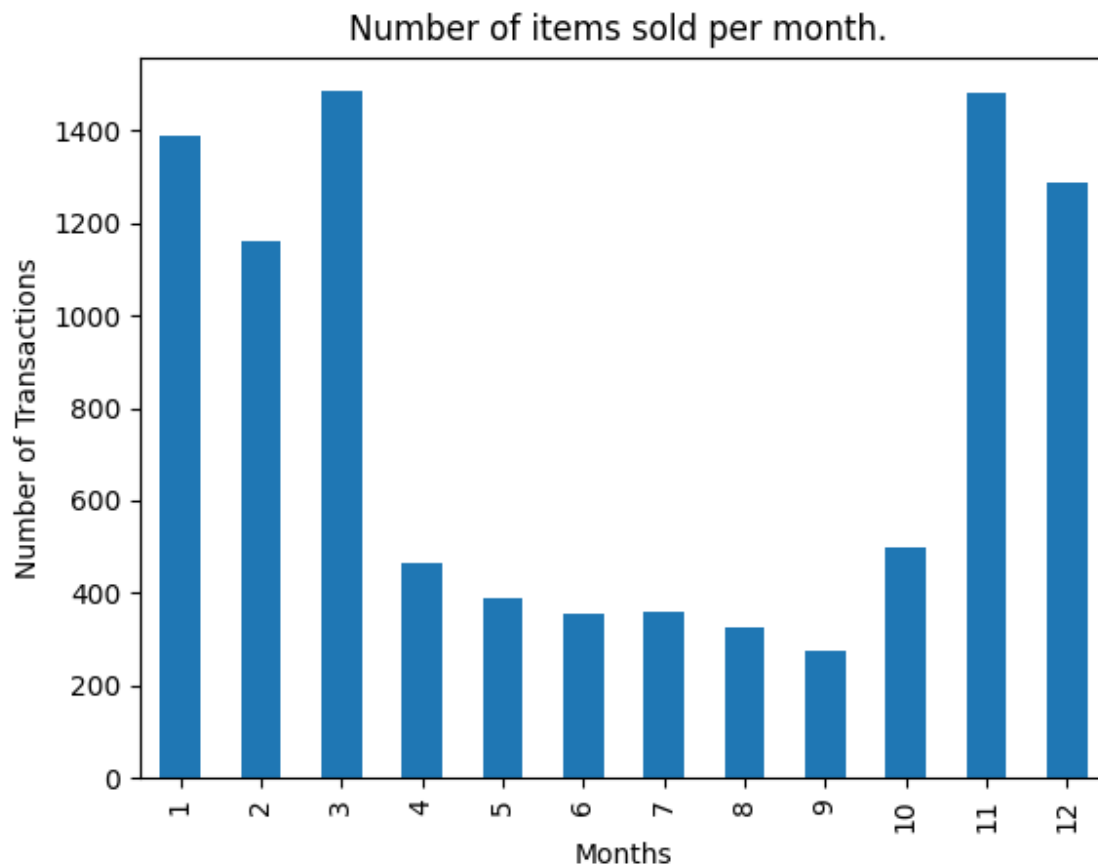
5 most popular items sold on monday is:

	Date	Time	Transaction	...	Day	Weekday	Hour
180	2016-10-31	2021-08-29 08:28:31	81	...	31	0	8
181	2016-10-31	2021-08-29 08:28:31	81	...	31	0	8
182	2016-10-31	2021-08-29 08:47:05	82	...	31	0	8
184	2016-10-31	2021-08-29 08:47:05	82	...	31	0	8
185	2016-10-31	2021-08-29 08:57:47	83	...	31	0	8



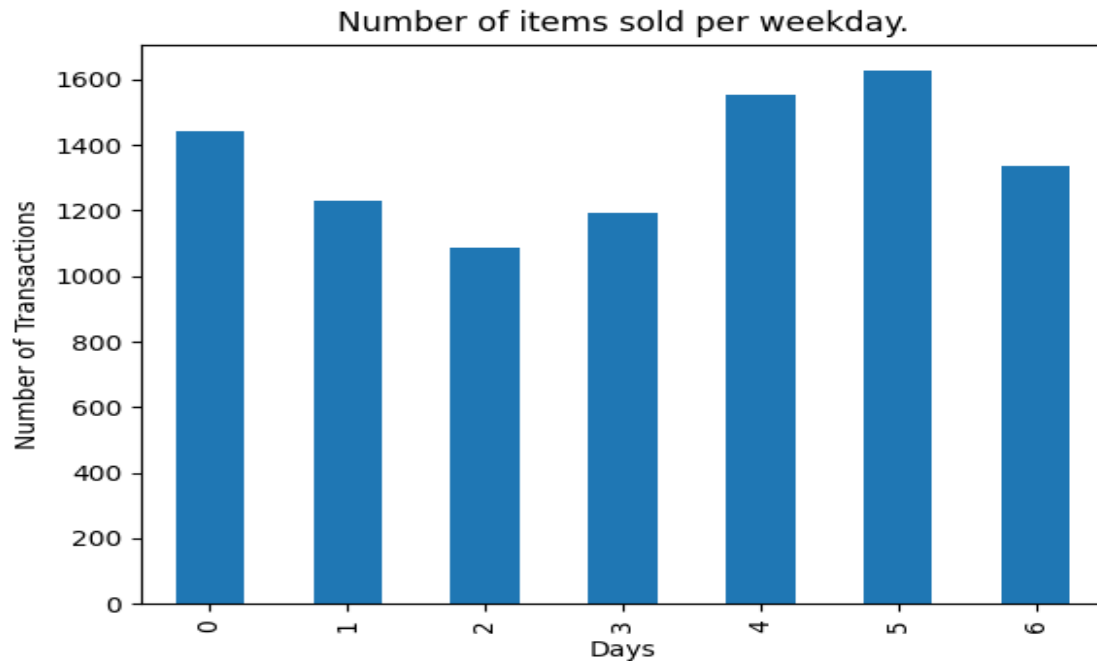
**Q5: Find out the number of items sold per month.**

**Answer:**



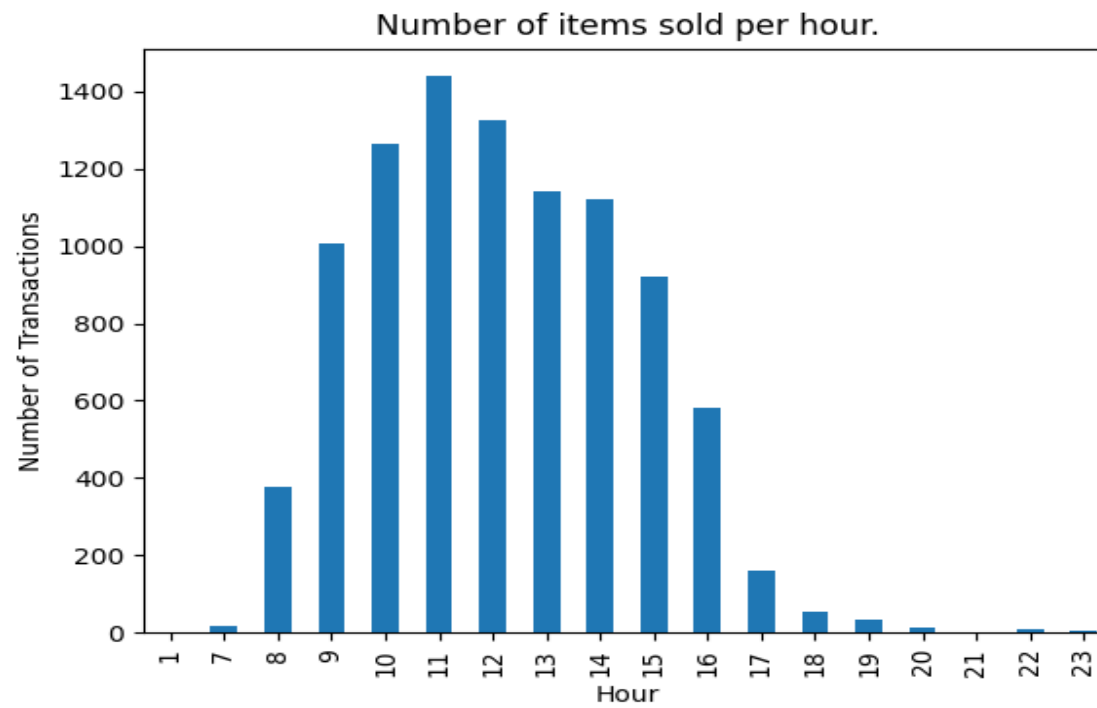
**Q6: Find out the number of items sold per weekday.**

**Answer:**



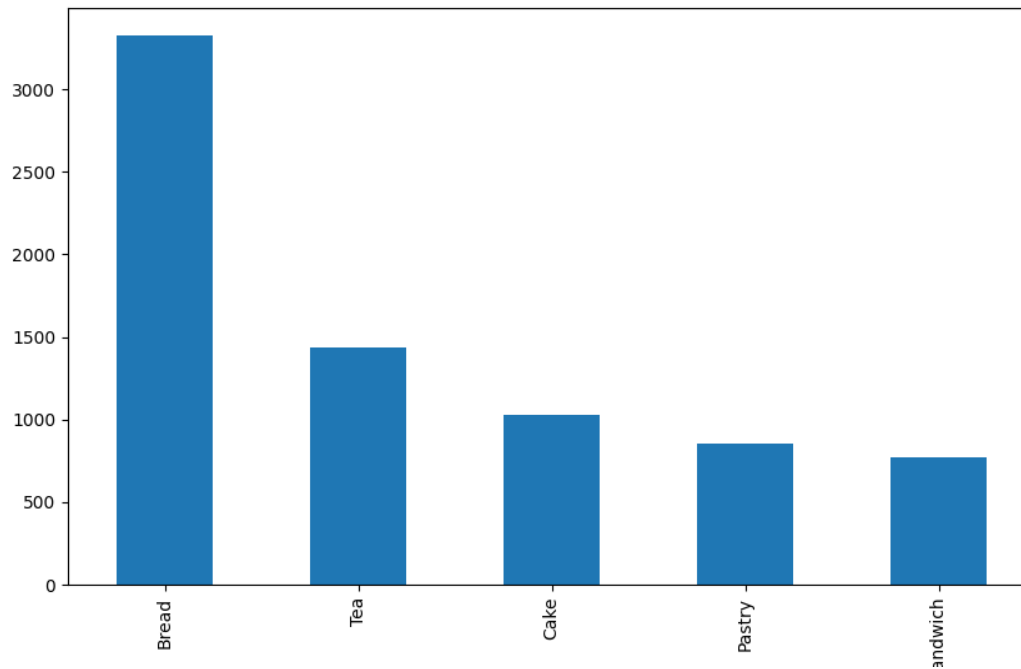
**Q7: Find out the number of transactions per hour.**

**Answer:**



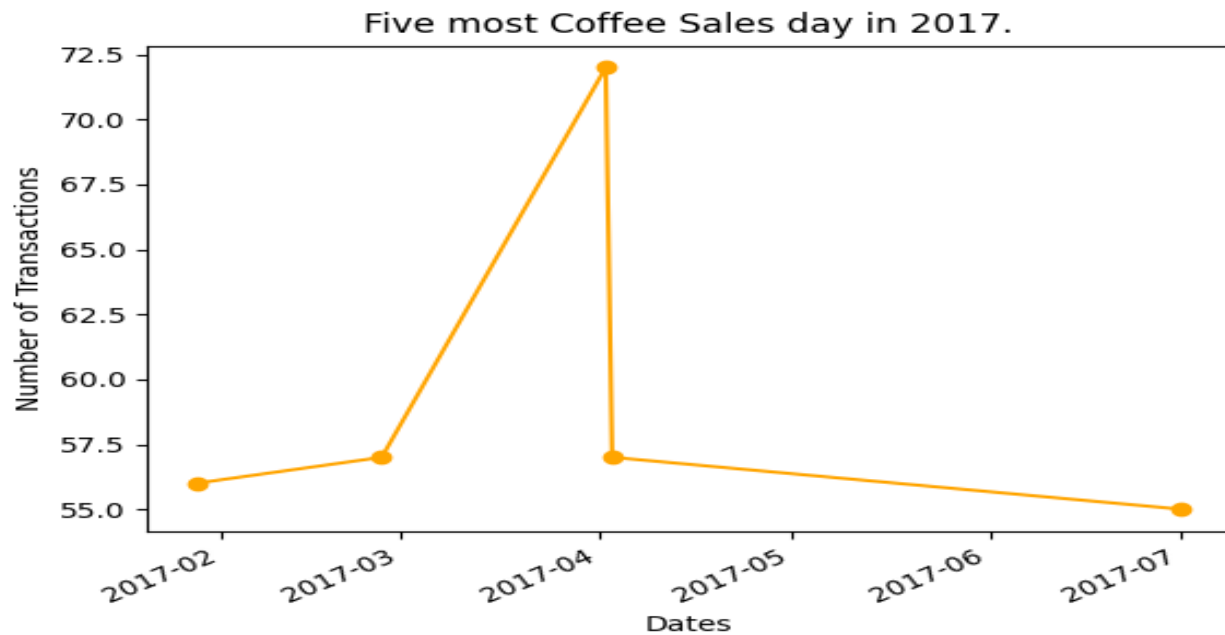
**Q8: Find out the best item combinations with coffee.**

**Answer:**



**Q9: Find out the five most Coffee Sales day in 2017.**

**Answer:**



**Q10: Find out historical chart of Bread sold throughout the week.**

**Answer:**

```
Breads sold per weekday:
```

```
Monday      360
```

```
Tuesday     350
```

```
Wednesday   405
```

```
Thursday    450
```

```
Friday       527
```

```
Saturday    760
```

```
Sunday      473
```

```
Name: weekday, dtype: int64
```