

Assignment 1

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Kent State University

BA-64060-002: FUNDAMENTALS OF MACHINE LEARNING

Dr. Li Liu, Ph.D.

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```
> summary(mydata)
```

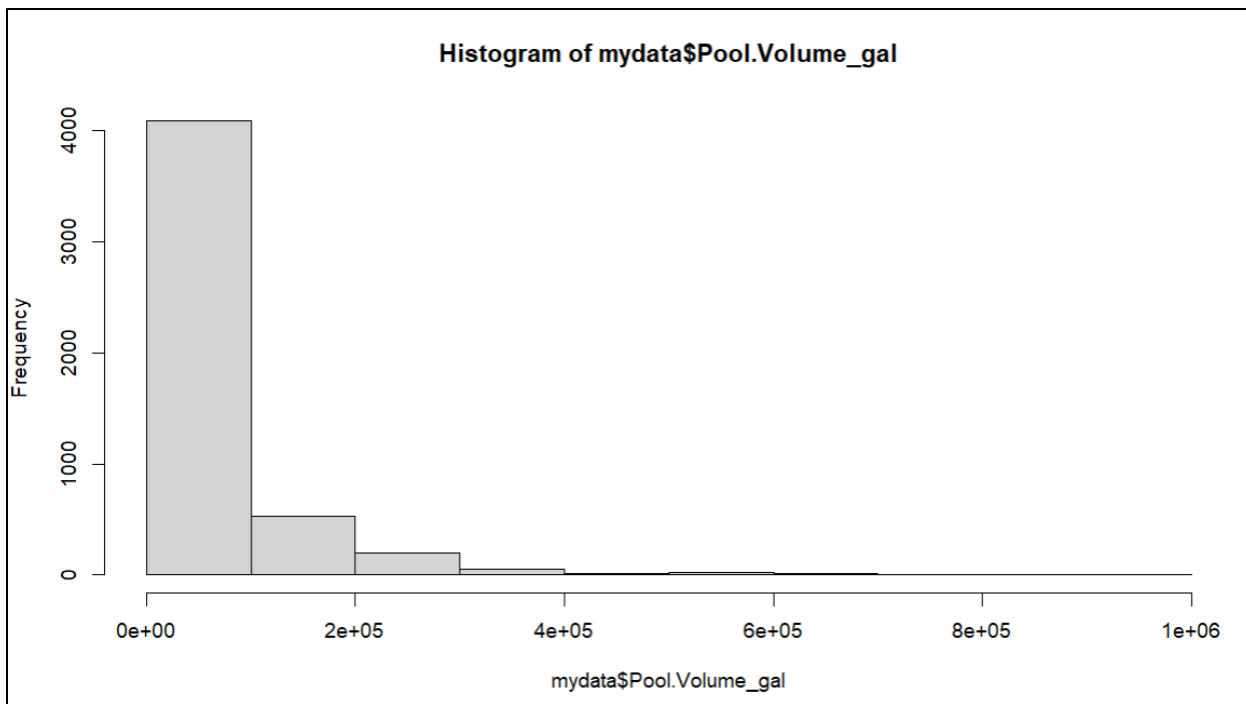
County	Facility.Name	Facility.Address	City
Length:4927	Length:4927	Length:4927	Length:4927
Class :character	Class :character	Class :character	Class :character
Mode :character	Mode :character	Mode :character	Mode :character

Is.the.pool.indoor.or.outdoor	Pool.Size_sf	Pool.Volume_gal
Length:4927	Min. : 10	Min. : 40
Class :character	1st Qu.: 625	1st Qu.: 16335
Mode :character	Median : 1125	Median : 31500
	Mean : 3497	Mean : 61567
	3rd Qu.: 1945	3rd Qu.: 60000
	Max. :1386400	Max. :992962

```
> |
```

```
> table(mydata$County)
```

Adams	Allen	ALLIANCE CITY	Ashland	ASHTABULA	ASHTABULA CITY
3	36	12	5	41	4
ATHENS	AUGLAIZE	BELMONT	BROWN	BUTLER	CANTON CITY
16	16	25	7	159	15
CARROLL	CHAMPAIGN	CINCINNATI CITY	CLARK	CLERMONT	CLEVELAND CITY
12	9	252	46	159	101
CLINTON	COLUMBIANA	COLUMBUS CITY	CRAWFORD	CUYAHOGA	DARKE
11	34	724	11	518	5
DEFIANCE	DELAWARE	EAST LIVERPOOL	ERIE	FAIRFIELD	FAYETTE
14	40	2	119	40	8
FRANKLIN	FULTON	GALION CITY	GALLIA	GEAUGA	GREENE
226	13	4	18	29	82
GUERNSEY	HAMILTON	HAMILTON CITY	HANCOCK	HARDIN	HARRISON
3	142	32	38	7	3
HENRY	HIGHLAND	HOCKING	HOLMES	HURON	JACKSON
9	8	19	15	19	3
JEFFERSON	KENT CITY	KNOX	LAKE	LAWRENCE	LICKING
16	15	14	88	4	63
LOGAN	LORAIN	LUCAS	MADISON	MAHONING	MARIETTA CITY
11	116	128	15	49	13
MARION	MASSILLON CITY	MEDINA	MEIGS	MERCER	MIAMI
34	5	69	4	19	26
MIDDLETOWN CITY	MONROE	MONTGOMERY	MORGAN	MORROW	MUSKINGUM
25	5	169	2	4	35
NEW PHILADELPHIA	NILES CITY	NOBLE	NORWOOD CITY	PAULDING	PICKAWAY
12	13	5	9	4	14
PIKE	PIQUA CITY	PORTAGE	PORTSMITH CITY	PREBLE	PUTNAM
6	7	32	5	13	5
RICHLAND	SALEM CITY	SANDUSKY	SCIOTO	SENECA	SHARONVILLE CITY
53	3	21	14	29	32
SHELBY	SHELBYCITY	SPRINGDALE CITY	STARK	SUMMIT	TRUMBULL
22	3	12	59	19	43
TUSCARAWAS	UNION	VAN WERT	WARREN	WARREN CITY	WASHINGTON
19	22	7	240	15	9
WAYNE	WILLIAMS	WOOD	WYANDOT	YOUNGSTOWN CITY	
26	16	80	7	8	



```
> colnames(mydata)=c("County","Facility.Name","Facility.Address","City","Indoor.Outdoor","Pool.Size_sf","Pool.Volume_gal","Gal_per_sf")
> summary(mydata)
```

County	Facility.Name	Facility.Address	City
Length:4927	Length:4927	Length:4927	Length:4927
Class :character	Class :character	Class :character	Class :character
Mode :character	Mode :character	Mode :character	Mode :character

Indoor.Outdoor	Pool.Size_sf	Pool.Volume_gal	Gal_per_sf
Length:4927	Min. : 10	Min. : 40	Min. : 0.0182
Class :character	1st Qu.: 625	1st Qu.: 16335	1st Qu.: 25.0000
Mode :character	Median : 1125	Median : 31500	Median : 30.0000
	Mean : 3497	Mean : 61567	Mean : 32.0500
	3rd Qu.: 1945	3rd Qu.: 60000	3rd Qu.: 37.3333
	Max. : 1386400	Max. : 992962	Max. : 1280.0000

```
> |
```

