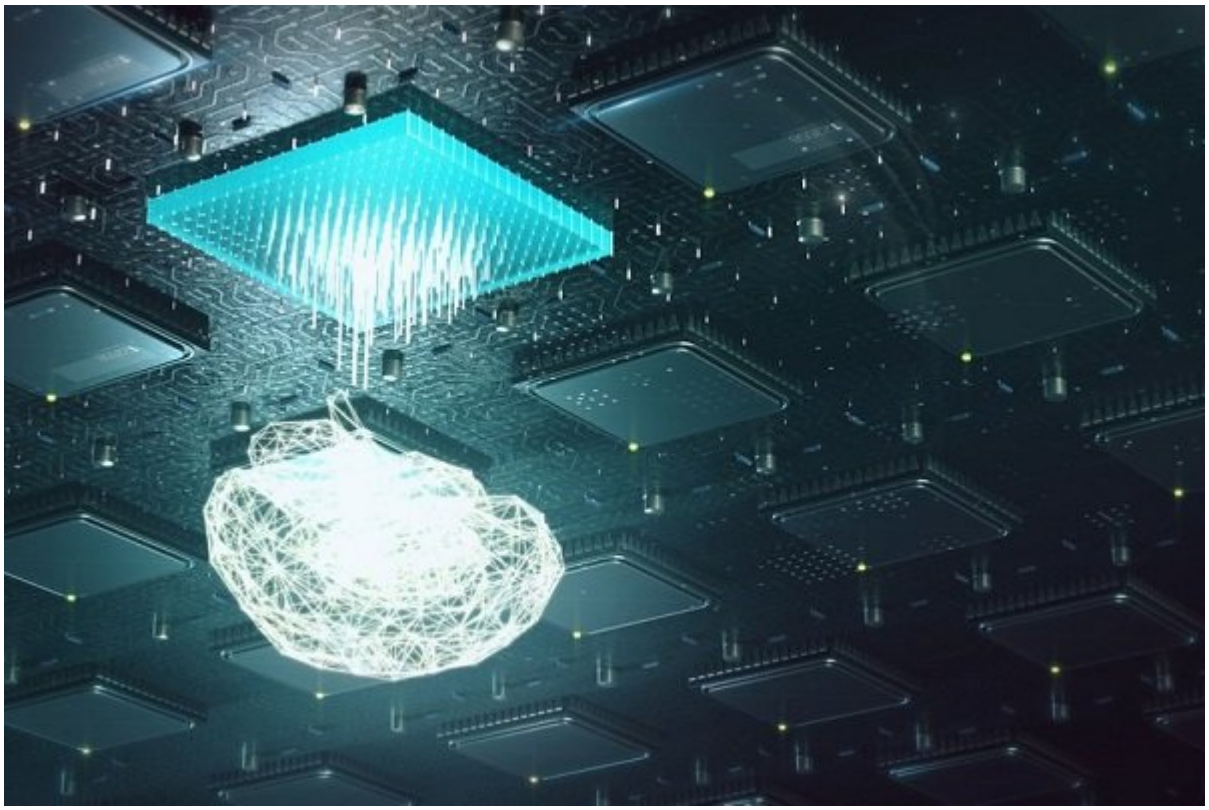
[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

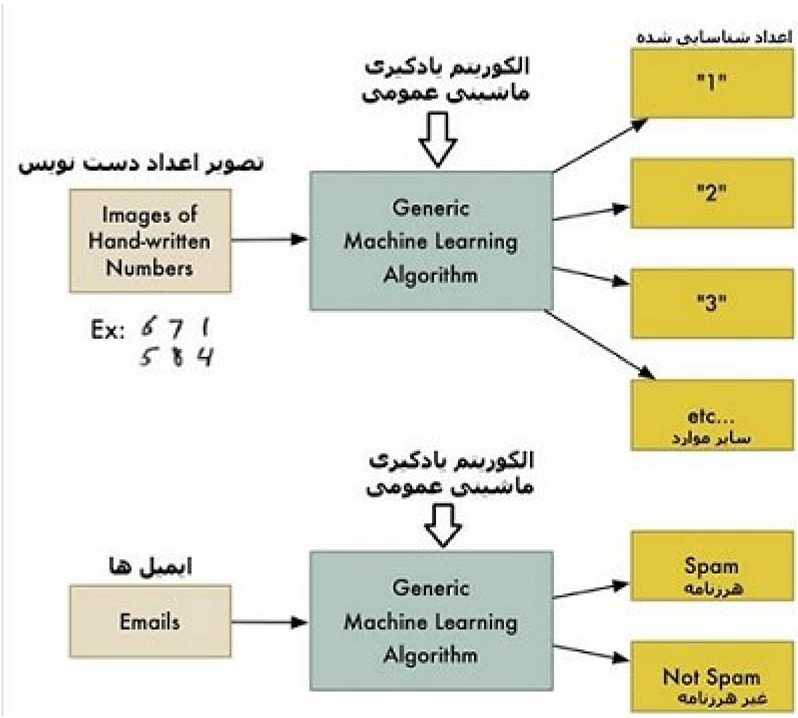
[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Machine Learning [illegible] (Classification) [illegible] Classification [illegible]



[illegible]

[illegible] (Supervised) [illegible] (Unsupervied) [illegible]

Supervised Learning

(Training Data)

اتاق خواب ها	فوت مربع	محله/ منطقه	قیمت فروش
3	2000	Normaltown	$250,000
2	800	Hipsterton	$300,000
2	850	Normaltown	$150,000
1	550	Normaltown	$78,000
4	2000	Skid Row	$150,000

اتاق خواب ها	فوت مربع	محله/ منطقه	قیمت فروش
3	2000	Hipsterton	???

(4

سوال ریاضی اول- کلید پاسخ معلم

1) 2 4 5 = 3	5) 6 2 2 = 10
2) 5 2 8 = 2	6) 3 1 1 = 2
3) 2 2 1 = 3	7) 5 3 4 = 11
4) 4 2 2 = 6	8) 1 8 1 = 7

Un supervised learning

اتاق خواب ها	فوت مربع	محله/ منطقه
3	2000	Normaltown
2	800	Hipsterton
2	850	Normaltown
1	550	Normaltown
4	2000	Skid Row

[illegible]

[illegible]

[illegible]

[5G [illegible]]()

[illegible]

[illegible] 30 [illegible] 50 [illegible] 97 [illegible]!

[illegible] Multivariate

[illegible]!

```
def estimate_house_sales_price(num_of_bedrooms, sqft, neighborhood):
  price = 0

# [illegible] 200 [illegible]
```

```
  price_per_sqft = 200
  if neighborhood == “hipsterton”:
```

[illegible]

```
  price_per_sqft = 400
  elif neighborhood == “skid row”:
```

[illegible]

```
price_per_sqft = 100
```

[illegible]

```
  price = price_per_sqft * sqft
```

[illegible]

```
  if num_of_bedrooms == 0:
```

[illegible]

```
   price = price — 20000
  else:
```

[illegible]
[illegible]

```
    price = price + (num_of_bedrooms * 1000)
 return price
```

1 [illegible]

[illegible]

```
def estimate_house_sales_price(num_of_bedrooms, sqft, neighborhood):
  price = <computer, plz do some math for me>
  return price
```

2 [illegible]

[illegible] (1) [illegible] if [illegible] else [illegible].

```
def estimate_house_sales_price(num_of_bedrooms, sqft, neighborhood):
 price = 0

# [illegible]

 price += num_of_bedrooms * .841231951398213

# [illegible]

 price += sqft * 1231.1231231

# [illegible]

 price += neighborhood * 2.3242341421

# [illegible] !!

 price += 201.23432095
 return price
```

3 [illegible]

[illegible] (3) [illegible]

[illegible]:

[illegible]

[illegible]:

[illegible]

[illegible]

[illegible]:

07:30 - 14/11/1397

[illegible]:

[illegible] - [illegible] - [illegible] - [illegible]

[illegible]

[illegible]: https://www.shabakeh-mag.com/information-feature/artificial-intelligence/14096/%DA%86%DA%AF%D9%88%D9%86%D9%87-%D9%85%DB%8C%E2%80%8C%D8%AA%D9%88%D8%A7%D9%86%DB%8C%D9%85-%D8%AF%D8%B1-%D8%B9%D9%85%D9%84-%D8%A7%D8%B2-%DB%8C%D8%A7%D8%AF%DA%AF%DB%8C%D8%B1%DB%8C-%D9%85%D8%A7%D8%B4%DB%8C%D9%86-%D8%A7%D8%B3%D8%AA%D9%81%D8%A7%D8%AF%D9%87