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Average monthly temperature in big cities at and around the latitude 34N and 34S

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```
> montevideo<-c(70, 83, 82, 78, 71, 64, 59, 58, 59, 63, 68, 74, 79) # first number is yearly avg.
> buenosaires<-c(62, 75, 73, 69, 62, 56, 51, 50, 53, 56, 61, 66, 72)
> adelaide<-c(61, 71, 71, 68, 63, 57, 53, 52, 53, 56, 60, 65, 68)
> osaka<-c(61, 40, 41, 47, 58, 66, 74, 80, 84, 76, 64, 55, 45) # ... same steps for Los Angeles and Sydney

> lat34<-array(c(losangeles,osaka,sydney,adelaide,buenosaires,montevideo),dim=c(13,6))
> lat34
```

|        | [, 1] | [, 2] | [, 3] | [, 4] | [, 5] | [, 6] |
|--------|-------|-------|-------|-------|-------|-------|
| [1, ]  | 66.0  | 61    | 64    | 61    | 62    | 70    |
| [2, ]  | 58.3  | 40    | 72    | 71    | 75    | 83    |
| [3, ]  | 60.1  | 41    | 73    | 71    | 73    | 82    |
| [4, ]  | 60.7  | 47    | 70    | 68    | 69    | 78    |
| [5, ]  | 63.3  | 58    | 65    | 63    | 62    | 71    |
| [6, ]  | 65.8  | 66    | 60    | 57    | 56    | 64    |
| [7, ]  | 69.7  | 74    | 55    | 53    | 51    | 59    |
| [8, ]  | 74.3  | 80    | 53    | 52    | 50    | 58    |
| [9, ]  | 75.1  | 84    | 55    | 53    | 53    | 59    |
| [10, ] | 73.7  | 76    | 59    | 56    | 56    | 63    |
| [11, ] | 69.7  | 64    | 64    | 60    | 61    | 68    |
| [12, ] | 63.0  | 55    | 67    | 65    | 66    | 74    |
| [13, ] | 58.3  | 45    | 71    | 68    | 72    | 79    |

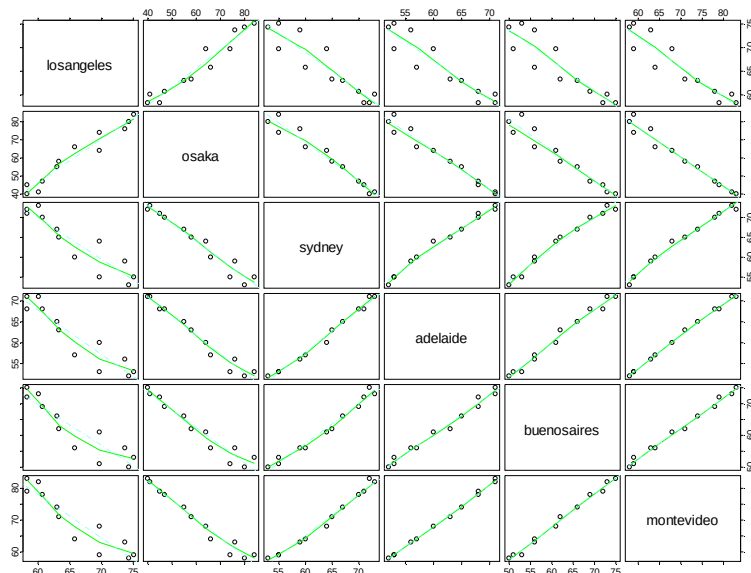
**Draftsman's display with goodies**

```
> lat<-lat34[2:13,]
> dimnames(lat)<-list(NULL,c("losangeles","osaka","sydney","adelaide","buenosaires","montevideo"))

> lat
```

|        | losangeles | osaka | sydney | adelaide | buenosaires | montevideo |
|--------|------------|-------|--------|----------|-------------|------------|
| [1, ]  | 58.3       | 40    | 72     | 71       | 75          | 83         |
| [2, ]  | 60.1       | 41    | 73     | 71       | 73          | 82         |
| [3, ]  | 60.7       | 47    | 70     | 68       | 69          | 78         |
| [4, ]  | 63.3       | 58    | 65     | 63       | 62          | 71         |
| [5, ]  | 65.8       | 66    | 60     | 57       | 56          | 64         |
| [6, ]  | 69.7       | 74    | 55     | 53       | 51          | 59         |
| [7, ]  | 74.3       | 80    | 53     | 52       | 50          | 58         |
| [8, ]  | 75.1       | 84    | 55     | 53       | 53          | 59         |
| [9, ]  | 73.7       | 76    | 59     | 56       | 56          | 63         |
| [10, ] | 69.7       | 64    | 64     | 60       | 61          | 68         |
| [11, ] | 63.0       | 55    | 67     | 65       | 66          | 74         |
| [12, ] | 58.3       | 45    | 71     | 68       | 72          | 79         |

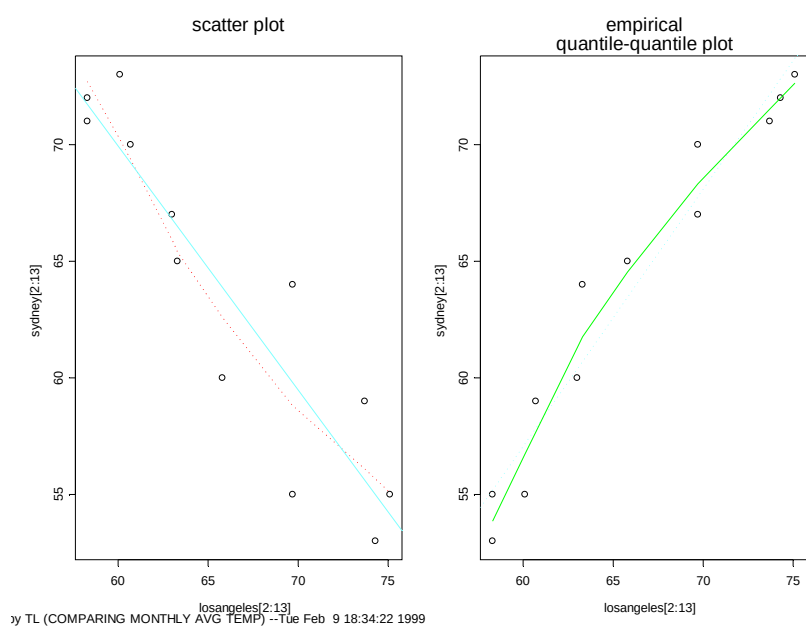
> l9pairs(lat)



### Scatter plot vs. empirical quantile-quantile plot

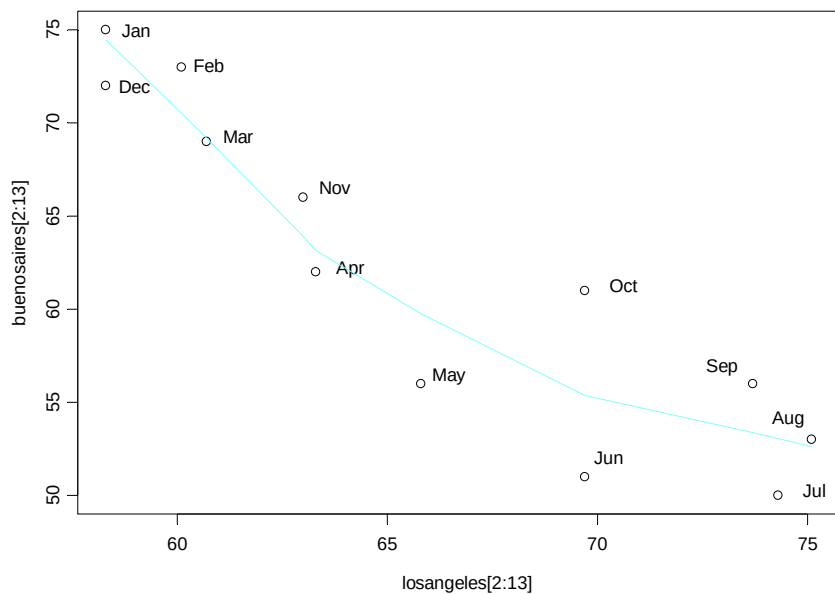
> l9scqq(losangeles[2:13],sydney[2:13])

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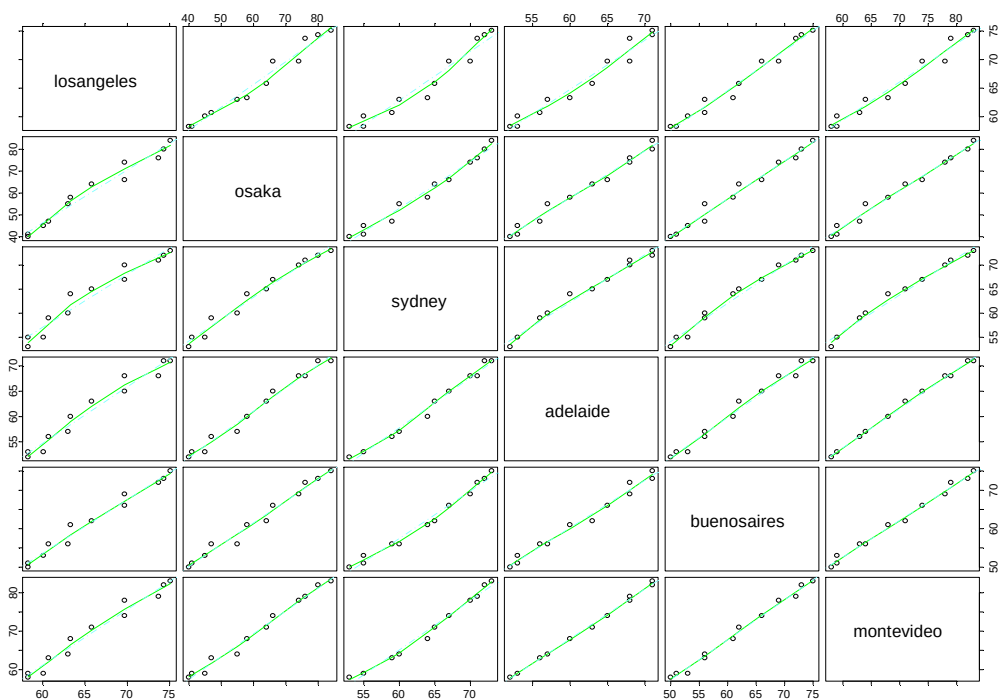
### Scatter plot with month.abb id's

```
> l9.sc.id.na(losangeles[2:13],buenosaires[2:13],z=month.abb)
```



### Quantile-quantile plots for all possible pairs

```
> l9pairsqq(lat) # sort the elements of the columns in lat  
# this works only for equal number of observations (here =12)
```





[illegible]