table.R

conde\_000

2019-12-09

library(readxl)  
library(data.table)  
library(tidyverse)

## -- Attaching packages -------------------------------------------- tidyverse 1.2.1 --

## v ggplot2 3.2.1 v purrr 0.3.3  
## v tibble 2.1.3 v dplyr 0.8.3  
## v tidyr 1.0.0 v stringr 1.4.0  
## v readr 1.3.1 v forcats 0.4.0

## -- Conflicts ----------------------------------------------- tidyverse\_conflicts() --  
## x dplyr::between() masks data.table::between()  
## x dplyr::filter() masks stats::filter()  
## x dplyr::first() masks data.table::first()  
## x dplyr::lag() masks stats::lag()  
## x dplyr::last() masks data.table::last()  
## x purrr::transpose() masks data.table::transpose()

library(dplyr)  
library(tidyr)  
library(formattable)  
library(knitr)  
  
jaya <- read\_excel("jayalaxmi.xlsx")  
jaya\_cor <- select(jaya,c(-25))  
mcor <- round(cor(jaya\_cor),2)  
view(mcor)  
upper.tri(mcor)

## [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10] [,11] [,12]  
## [1,] FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE  
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## [,13] [,14] [,15] [,16] [,17] [,18] [,19] [,20] [,21] [,22] [,23] [,24]  
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## [22,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE TRUE TRUE  
## [23,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE TRUE  
## [24,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE

upper <- mcor  
upper[upper.tri(mcor)] <- ""  
upper <- as.data.frame(upper)  
view(upper)  
customGreen0 = "#DeF7E9"  
customGreen = "green"  
customRed = "pink"  
formattable(upper, list(  
 `loan\_amount`= color\_tile(customRed,customGreen),  
 `loan\_repaid`= color\_tile(customRed,customGreen),  
 `crop\_insured`= color\_tile(customRed,customGreen),  
 `years\_of\_exp\_in\_sericulture`= color\_tile(customRed,customGreen),  
 `training\_on\_sericulture`= color\_tile(customRed,customGreen),  
 `krishi\_pond`= color\_tile(customRed,customGreen),  
 `borewell\_recharge`= color\_tile(customRed,customGreen),  
 `rain\_harvesting`= color\_tile(customRed,customGreen),  
 `own\_compost\_manure`= color\_tile(customRed,customGreen),  
 `own\_vermi\_compost`= color\_tile(customRed,customGreen),  
 `trenching\_mulching`= color\_tile(customRed,customGreen),  
 `bio\_fertilizers`= color\_tile(customRed,customGreen),  
 `mechanization`= color\_tile(customRed,customGreen),  
 `mulberry\_diseases`= color\_tile(customRed,customGreen),  
 `affected\_by\_pest`= color\_tile(customRed,customGreen),  
 `rearing\_cost`= color\_tile(customRed,customGreen),  
 `instrument\_mgmt\_cost`= color\_tile(customRed,customGreen),  
 `temp\_mgmt`= color\_tile(customRed,customGreen),  
 `humidity\_mgmt`= color\_tile(customRed,customGreen),  
 `airvent\_temp\_mgmt`= color\_tile(customRed,customGreen),  
 `rotary\_mounting`= color\_tile(customRed,customGreen),  
 `seri\_total\_subsidy`= color\_tile(customRed,customGreen),  
 `income\_per\_acre`= color\_tile(customRed,customGreen),  
 `chawki\_bivol`= color\_tile(customRed,customGreen)))

loan\_amount

loan\_repaid

crop\_insured

years\_of\_exp\_in\_sericulture

training\_on\_sericulture

krishi\_pond

borewell\_recharge

rain\_harvesting

own\_compost\_manure

own\_vermi\_compost

trenching\_mulching

bio\_fertilizers

mechanization

mulberry\_diseases

affected\_by\_pest

rearing\_cost

instrument\_mgmt\_cost

temp\_mgmt

humidity\_mgmt

airvent\_temp\_mgmt

rotary\_mounting

seri\_total\_subsidy

income\_per\_acre

chawki\_bivol

loan\_amount

1

loan\_repaid

-0.52

1

crop\_insured

0.09

0

1

years\_of\_exp\_in\_sericulture

-0.06

0.06

-0.15

1

training\_on\_sericulture

0.14

-0.01

0.28

-0.17

1

krishi\_pond

0

-0.02

-0.06

0.06

0.03

1

borewell\_recharge

0

-0.04

-0.04

0.04

0.06

0.07

1

rain\_harvesting

0.05

-0.11

-0.03

0.03

0.04

0.12

0.17

1

own\_compost\_manure

0.06

0.1

0.07

0.01

0.01

-0.02

-0.02

0.01

1

own\_vermi\_compost

-0.12

0.08

0.05

0.11

-0.05

0.09

-0.02

0.02

-0.09

1

trenching\_mulching

0

0.03

0.1

-0.09

0.21

0.09

0.14

0.07

-0.05

-0.08

1

bio\_fertilizers

-0.06

0.22

-0.04

0.09

-0.04

-0.03

0.07

0.03

0.3

-0.29

0.15

1

mechanization

-0.19

0.25

-0.04

0.28

-0.21

0

-0.04

-0.03

0.22

0.14

-0.09

0.26

1

mulberry\_diseases

0.16

-0.15

0.14

-0.05

0.13

-0.03

0.02

0.06

0.23

-0.08

-0.06

0.05

0.03

1

affected\_by\_pest

0.02

-0.05

0.04

0.12

0.07

0.04

-0.08

0.04

-0.06

0.3

0

-0.11

0.09

0.16

1

rearing\_cost

0.02

0.06

0.01

0.07

-0.01

-0.02

-0.01

-0.05

-0.01

-0.13

-0.04

0.11

0.14

-0.05

-0.08

1

instrument\_mgmt\_cost

0.07

-0.2

0.34

-0.2

0.16

-0.08

-0.05

-0.06

-0.08

0.03

-0.02

-0.18

-0.12

0.08

0

0.03

1

temp\_mgmt

-0.11

0.23

0.03

0.05

-0.16

0.06

0

-0.03

0.22

0.09

0

0.18

0.41

-0.11

0.01

0.03

-0.02

1

humidity\_mgmt

-0.15

0.27

0.03

0.04

-0.14

0.09

0

-0.03

0.2

0.05

0.01

0.23

0.4

-0.12

0.01

0.02

-0.06

0.92

1

airvent\_temp\_mgmt

-0.01

0.07

0.02

0

-0.02

0.02

-0.06

0.02

0.11

0.09

0.06

0.05

0.21

-0.01

0.03

0.01

0.04

0.35

0.34

1

rotary\_mounting

0.02

-0.17

0.04

-0.2

0.11

0.01

0.05

0.04

0

0.02

0.08

-0.14

-0.17

0.09

-0.11

-0.13

0.1

-0.01

0.02

0.07

1

seri\_total\_subsidy

0.22

-0.17

-0.01

-0.13

0.18

0.04

0.04

0.03

-0.06

-0.13

0.14

-0.09

-0.23

0.07

0.01

0.05

0.03

-0.07

-0.05

-0.02

0.11

1

income\_per\_acre

-0.27

0.27

-0.2

0.2

-0.29

-0.02

-0.07

-0.07

0.09

0.14

-0.07

0.21

0.4

-0.26

-0.09

0.17

-0.15

0.3

0.28

0.08

-0.15

-0.19

1

chawki\_bivol

0.17

-0.3

0.28

-0.43

0.35

-0.06

0.06

0.09

-0.24

-0.04

0.15

-0.36

-0.48

0.09

-0.12

-0.13

0.43

-0.29

-0.3

-0.07

0.3

0.18

-0.42

1