wl\_org = drop column

num\_prev = good

donation = convert 0-1

on\_dialysis = convert 0-1

receipients

* a1 (antigen\_1) = numerical
* a2 (antigen\_2) = numerical
* b1 (antiben\_b1) = numerical
* b2 (antigen\_b2) = numerical
* dr1
* dr2

gender = MF convert

ABO (blood\_type, receipients) = one hot encoding

Wgt\_kg\_tcr (during registration) = missing values, put median

ght\_cm\_tcr (during registration) = missing values, put median

bmi\_tcr (body mass index) = missing values with median

citizenship ??? = numerical

perm\_state (where your residency) = one hot encoding

education ??? = missing values

funct\_stat\_tcr ??? (functional status) = missing values

dgn\_tcr diagnosis\_tcr (create categorical variables)

diab (diabetic if

* 1 = no diabetes ,
* 2=type 1
* 3 =type 2
* 4 type=other
* 5 = type unknown diabetes
* 998 = no diabetes

Drgtrt\_copd = N, U, Y, convert to categorical

Init\_stat initial ( if 4010 = active kidney, else = inactive kidney)

Init\_wgt\_kg (after registration) = easy

Init\_hgt\_cm (after registration) = height

Rem\_cd = drop column

Dayswait = drop column

End\_stat = 4010 = active kidney, else = inactive kidney

Init\_age = good

End\_date = drop column

Init\_date = drop column

Wt\_qual\_date = drop column

Ethnicity = (0 if non-hispanic, 1 hispanic)

Ethcat (receiptients ethnicity category), 1 = white,

2= black,

4 = Hispanic,

5 = asian,

6 = American indian/ Alaskan native

7 = native Hawaiian

9 = multiracial

998 = unknown

Init\_bmi\_calc = drop column

Dayswait\_alloc = drop column

Region = drop column

Perip\_vasc ( receiptient peripherals vascular disease at registration) y/u/n

Exh\_perit\_access y/u/n

Exh\_vasc\_access y/u/n

Malig\_tcr\_ki y/u/n

pri\_payment\_tcr\_ki = drop column

prev\_tx (history of previous transplant of kidney transplant)

prev\_ki\_tx = y/n

funct\_stat\_trr ( receiptient f unctional status at transplant)

1 & 2100= performs activity of daily living with no assistance

ELSE = minor symptoms or more+

Malig\_trr = y/u/n

pri\_payment\_trr\_ki = drop

tx\_date = transplant date (when did they do the transplant)

creat\_trr = good

first\_wk\_dial = y/n

serum\_creat = numeric /good

pre\_tx\_txfus =y/u/n

txkid = categorical, L , R, E

don\_retyp = y/n

da1/da2/db1/db2/ddr1/ddr2/ra1/ra2/rb1/rb2/rdr1/rdr2/amis/bmis/drmis/hlamis/npkid/nppan/age\_don = numeric good

hbv\_core = n/nd/p/u categorical one hot encode

hbv\_sur\_antigen\_don = n/nd/u/p/i/c

ethcat\_don (donor ethnicity category) =1,4,2,5,9,6,7, 998 convert to categorical

1 = white,

2= black,

4 = Hispanic,

5 = asian,

6 = American indian/ Alaskan native

7 = native Hawaiian

9 = multiracial

998 = unknown

Citizenship\_don = drop

Abo\_don = blood type of donor

Don\_ty = deceased or living = c/l/ f

Gender\_don = M/F categorical

Home\_state\_don = states

Cancer\_site\_don = drop

Hist\_cig\_don = Y/N/U

Diabetes\_don = y/n/u

hgt\_cm\_don\_calc = good

wgt\_kg\_don\_calc = good

dmi\_don\_calc = good

end\_stat\_ki = 4010 active, else = inactive

abo\_mat (if donor and receiptient matches blood type) = 1/2/3 (1=identical 2= compatible 3= incompatible)

age = good

distance (miles from donor hospital to transplant center) = good

dial\_trr = y/u/n

diag\_ki