fW11 20224314 2627.

A 12.6.6

	Degree of Fradum	Sum	Mean square	F-value.	
1/ regression	1	7.299	7.299	1.1298 -	p-value: 0.3/3
yy error	10	64.602.	6.4602		
4-7 Total.	[]	11.90152.			

$$Y = 0.94371 + 37.7537$$

$$\sum \left(\frac{1}{1}, -\frac{1}{2} \right)^{2} = \sum \left(\frac{1}{1} \cdot \frac{1}{2} \right)^{2} + \left(\frac{1}{1} \cdot \frac{1}{2} \right)^{2}$$

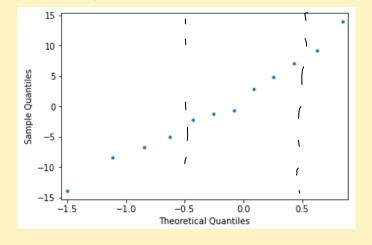
=) It is hard to reject Ho: P=0.

2.7.2.

We can check outlier- by Se.(ei) ~ N(0,1)

Since s.e.(ei) = $\sqrt{(1-\frac{1}{h}-\frac{(x_i-x_i)^2}{S_k})}$, $\delta \approx 0$.

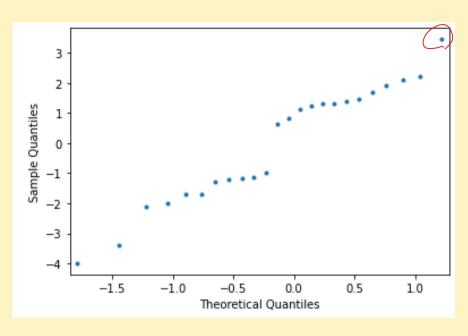
Since 6= MSE, 8,3900.



normal. Drobubility plot = 22/2/2011

The stan stor, normal of 32/2/4/2011

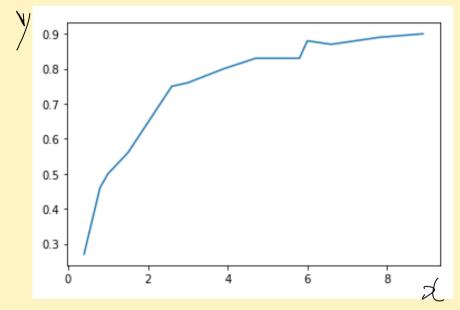
12.7.6.



There is possible outlier.

And ag plot is not similar strict live,
fitted regression model call be not appropriate.

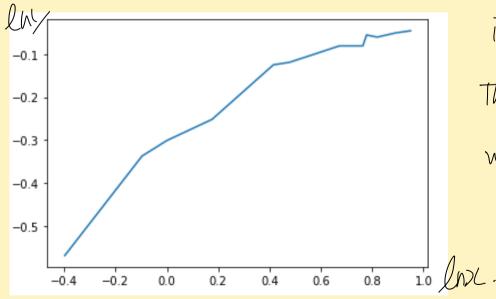
128.2.



This graph looks like log function.

So change it as

lay = rot last . r.



it looks similar as linear.

Then $\ln \hat{y} = 0.32652 \cdot \ln x - 0.31891$ when $\chi = 2$. $\hat{y} = 0.9115/3$

it looks like Strict line, So, this model appeal to provide a good. fit to the data set.

(b)
$$lny = 4.4937 \cdot lnx + 1.8824$$
.

$$(C) \quad \mathcal{T}_{1} \quad \sim \quad \mathcal{M}(\mathcal{T}_{1}, \frac{\delta}{\int SX})$$

x olah z'= lnz.B

Since
$$\int_{0.015}^{2} = \frac{SE}{n-2} \approx 0.0115$$

95% C.I. of
$$T_1 = [4.4937 - 2.306 \times 1.6083, 6.8189]$$

$$= [2.1684, 6.8189]$$

since to = Iny - Ti Inx

$$e^{\frac{1}{2}} = \frac{1}{2}$$

$$e^{\frac{1}} = \frac{1}{2}$$

$$e^{\frac{1}} = \frac{1}{2}$$

$$e^{\frac{1}} = \frac{1}{2}$$

$$e^{\frac{1}} = \frac{$$

$$\Rightarrow y = r_0 \cdot \ln r_1 - 2r_0 \cdot \ln x.$$

$$\approx \beta_0 \qquad \approx \beta_1,$$

let
$$lnX=t$$
, then $y=3o \cdot lnT_1 - 2To \cdot t \cdot - linear form$.
We dready know how to find $\hat{\beta}o$, $\hat{\beta}i$;
And $\hat{\beta}i = -2Fo$, $\hat{\beta}o = Fo \cdot lnTi$.
 $\Leftrightarrow \hat{\gamma}o = -\frac{1}{2}\cdot\hat{\beta}i$, $\hat{\gamma}i = e^{(\frac{\hat{\beta}o}{\hat{\beta}o})} = exp(-2\hat{\beta}o/\hat{\beta}i)$.

then
$$t=\frac{r\sqrt{n-2}}{\sqrt{1-r^2}} \approx 1.0628$$
.

$$\hat{\beta}_{i} = \frac{S_{XX}}{S_{XX}} \approx 0.2658$$
, S.C. $(\hat{\beta}_{i}) = \frac{\hat{\delta}}{S_{XX}}$. ≈ 0.2501 .

$$\frac{1}{103.2431} = \frac{556}{103.2431} = \frac{556}{103.2431}$$

$$t = \frac{t - \sqrt{\Lambda - 2}}{\sqrt{1 - t^2}} \approx (.0628, \frac{\cancel{\beta_1}}{\text{s.e.}(\cancel{\beta_1})} = 1.0620.$$

#12.12.19

lat. lay = to+ti-lax.

