

0.	TATION OF THE
Pate. / /	
20Assume all the obs	servations in X have been normalized, which is
	for every Xi in X. And $M = \frac{1}{n} \stackrel{?}{=} Xi$.
Then we can have	max 1 = (XiTV-NT) 2 s.t. V =1
<u> </u>	max in vis (Xi-MICXI-MIT).V
je mas dad sin sa gany =tu:	mox i VTXXTV
(on is scalar	r Constant humber
(: =) ma	XX VTXXTU st. VTU=) max projected variance
& XI XI -CXITV).V	असम्बन्धिता व प्रश्नेति । कार्य प्रोक्षाप्ते एक छ व न
XIV)V We ha	this projection relation. So from the Pythagoras theo
ne hove 11)	$ X_i ^2 = (X_i^T v)v ^2 + X_i - (X_i^T v)v ^2$
herefore, we can sum	It up and have =
and a	wide by no seponts of son I separate many
and a	obviously this is max projected our good: min a constant variance projected error
	obviously this is max projected our good: min a constant variance projected error
:. Finally we get it	obviously this is max projected our good: min a constant variance projected error
	obviously this is max projected our good: min a constant variance projected error because max projected var + our goal = constant
	because max projected var + our goal = constant min \frac{1}{n} \frac{1}{n} Xi - (xi^Tv)v ^2
:. Finally we get it	because max projected var + our goal = constant min \frac{1}{n} \frac{1}{n} \text{N}i - (\text{xi}^Tv)\v \frac{1}{n}
: Finally we get it	obviously this is max projected our good: min a constant variance projected emore because max projected var + our goal = constant
: Finally we get it	obviously this is max projected our good: min a constant varional projected error because max projected var + our goal = constant
Finally we get it	obviously this is max projected our good: min a constant variance projected emore because max projected var + our goal = constant
Finally we get it	because max projected our goal: min a constant variance projected error because max projected var + our goal = constant
Finally we get it	obviously this is max projected our good : min a constant variance projected error be cause max projected var + our good = constant
Finally we get it	because max phijected var + our goal = constant
Finally we get it	obviously this is max projected our goal: min a constant variance projected enough be cause max projected var + our goal = constant
Finally we get it	because max phijected var + our goal = constant
Finally we get it	obviously this is max projected our goal: min a constant variance projected enough be cause max projected var + our goal = constant





