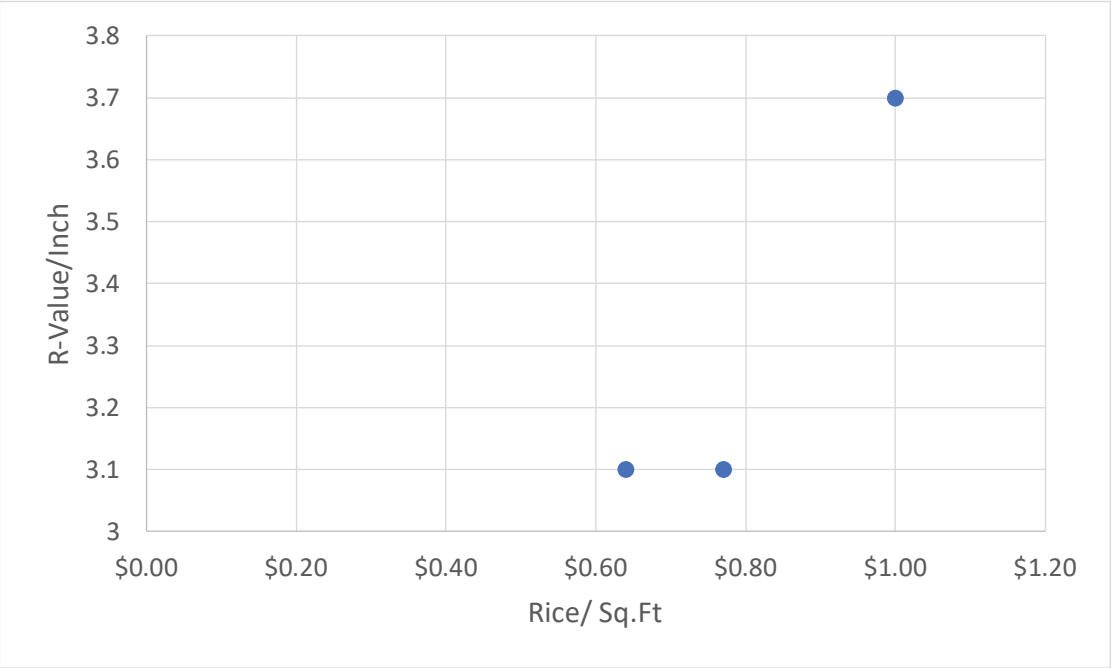


ARCH 633 Assignment 8

Zheng Yang Zhu

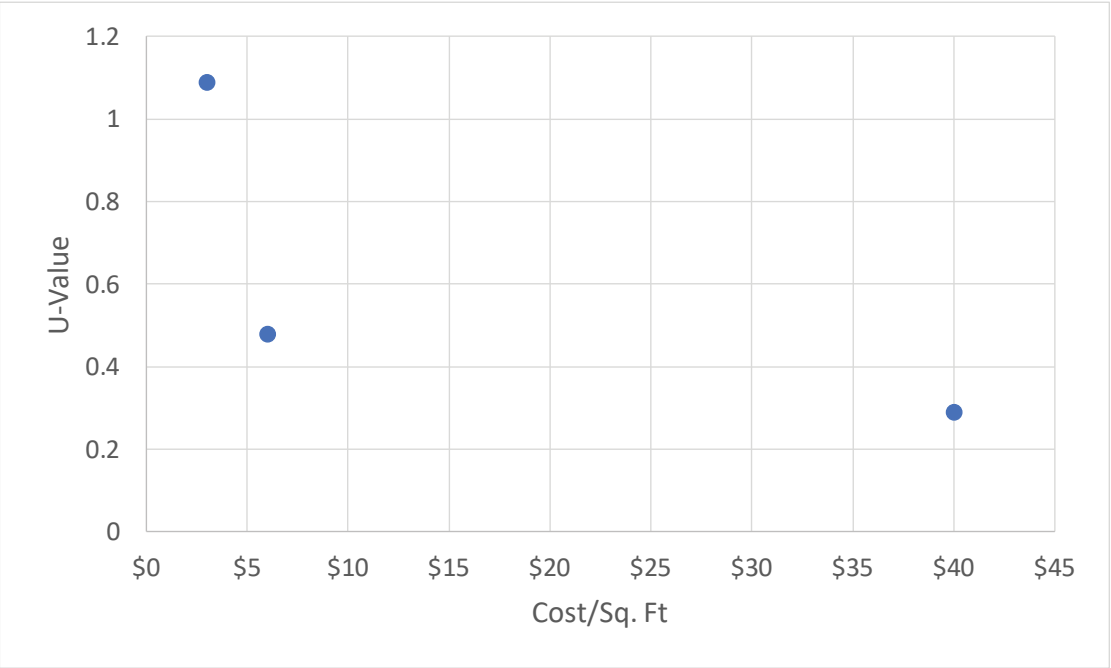
Materials	Picture	Price/Sq Ft.	R-Value/Inch
Fiberglass		\$0.64-\$1.19	R-3.1
Mineral Wool		\$0.77	R-3.1
Cellulose		\$1-2	R-3.7



Conclusion:

For thermal insulator the price is directly related to the cost. The better R-Value it can provide the higher the cost.

Glass Type	Thickness (Inches)	U-Factor (Winter)	Cost/Sq.Ft
Single Pane Glass	0.25	1.09	\$3
Double Pane Insulated Glass	0.25	0.48	\$3-\$6
High Efficiency Low-E	0.25	0.29	\$40-\$55



For window assembly, there is no sufficient information on different types of assemblies and the U-Value they have. However for different glasses used for different window type, lower the U-Value higher the cost.