The Data Dictionary of Energy Efficiency Data Set (extracted from a USA Case Study)

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| Index | Variable | Description |
| 1 | Relative\_Compactness | Relative compactness. This is the measure compactness of the closure or building |
| 2 | Surface\_Area | Surface Area of the building. This is measured in square feet. |
| 3 | Wall\_Area | Area of the building covered by with of the wall. This is measured in *square feet*. |
| 4 | Roof\_Area | Area covered under roofs. This is measured in *square feet*. |
| 5 | Overall\_Height | Overall Height of the building. This is measured in *feet*. |
| 6 | Orientation | Orientation of the building based on direction such as North Facing, South Facing etc. |
| 7 | Glazing\_Area | Total Area of the wall which is glass. This is measured in *square feet.* |
| 8 | Glazing\_Area\_Distribution | How Glazing Area distributed within the whole building. |
| 9 | Heating\_Load | How much heating load is required to heat the building. This is measured in *BTU(British Thermal Units)* . |
| 10 | Cooling\_Load | How much load is required to cool the building. . This is measured in *BTU(British Thermal Units)* . |
|  |  | *1 BTU = 0.00029307107 kW (Kilo Watts).* |