

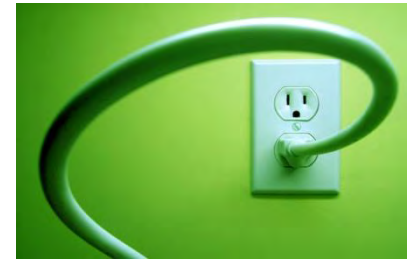
Understanding the results from applications of HHEA

–Fuel/Stove Switching Pattern–

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“rural household **do not switch** fuels, but more generally follow a multiple fuels or fuels stacking” Maserea et al (2000)

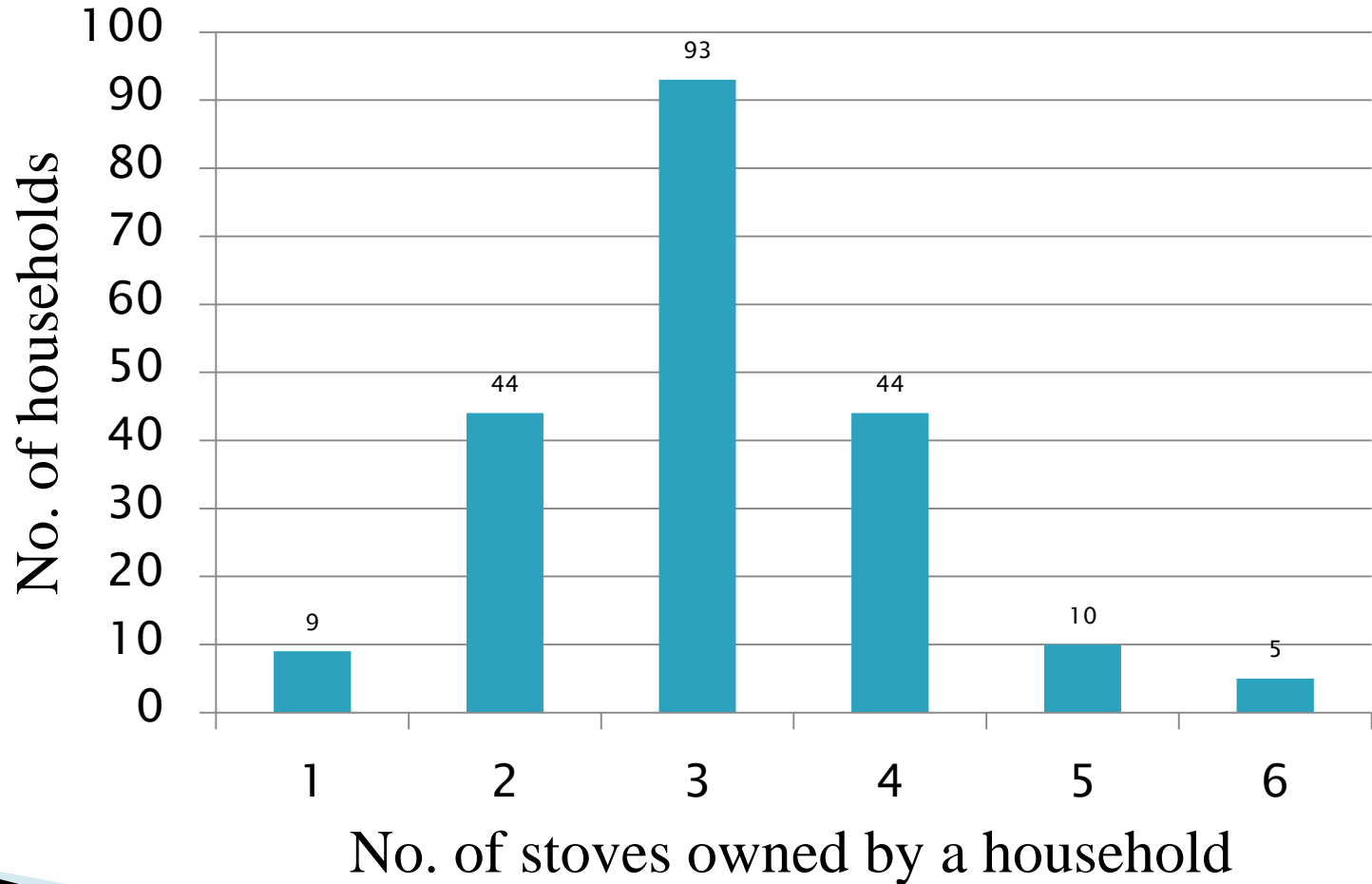
How do we see this two
phenomena/theories based on
the study results?

....energy ladder

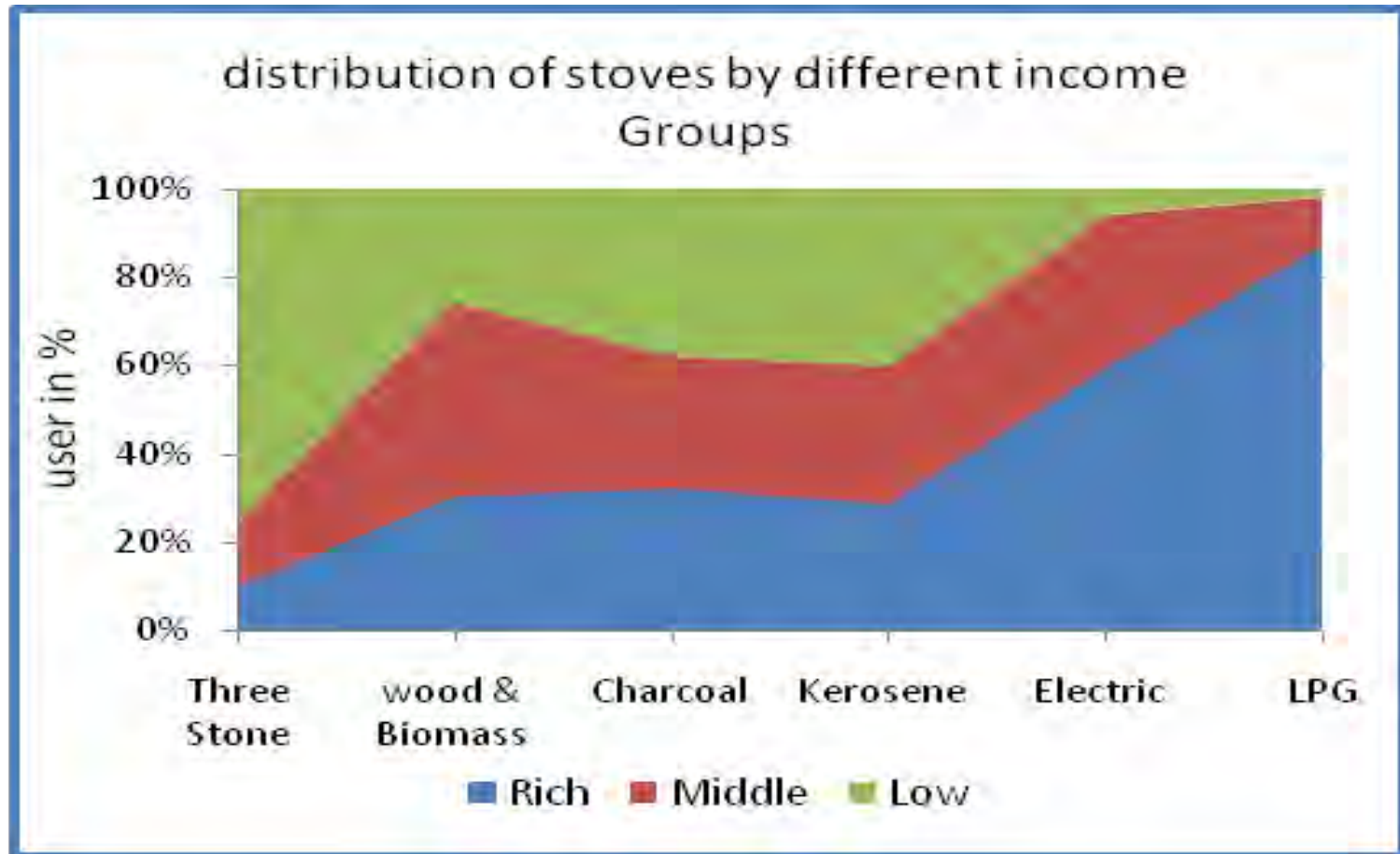
The study indicated that with increase in income willing to pay more for having positive attributes (efficient, less smoky, safer) and avoiding negative attributes (smoke, unsafe, inefficient) increases as indicated by energy ladder

Now that we have empirically confirmed energy ladder patten, how do we see fuel stacking ?

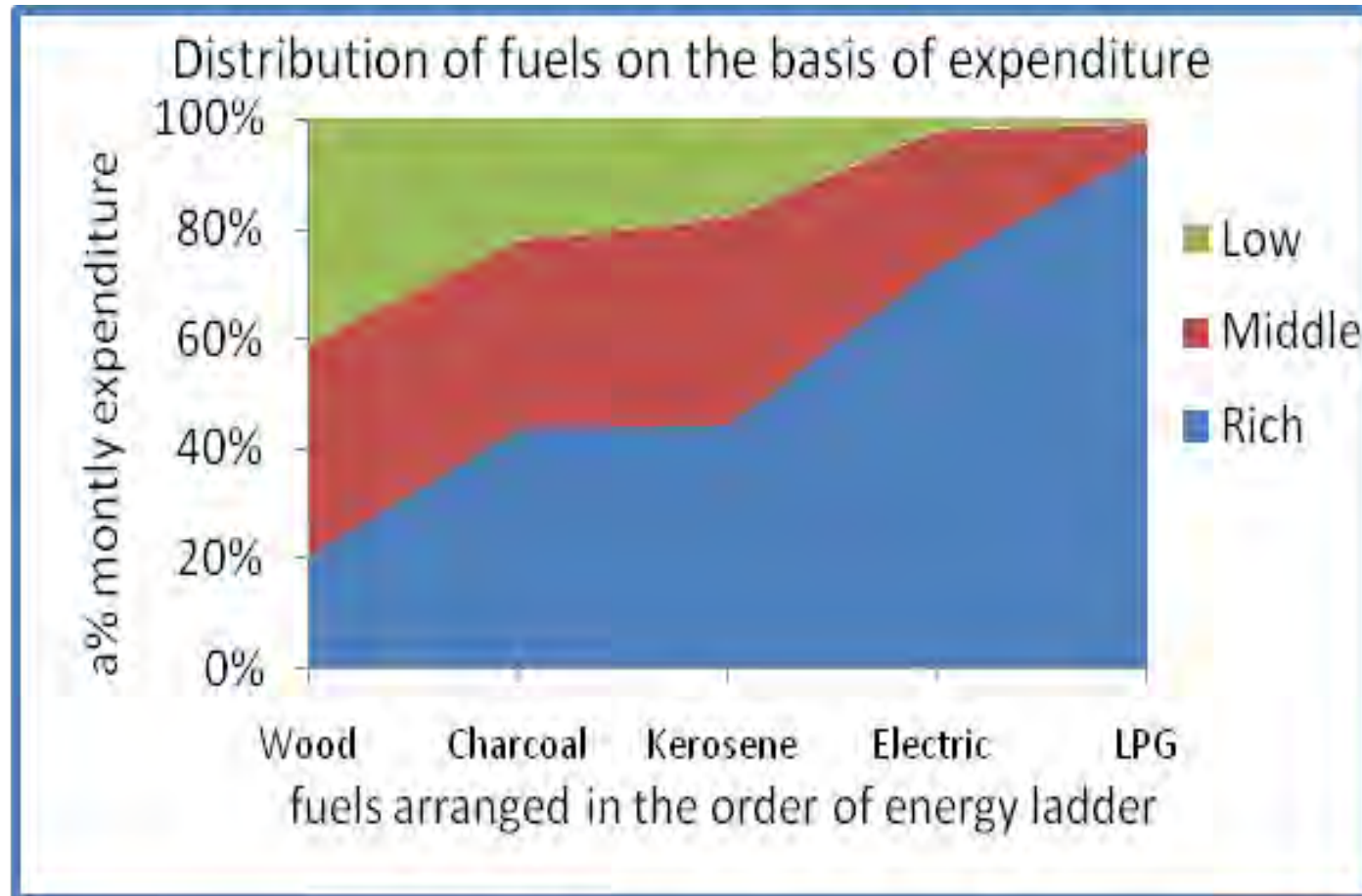
..distribution of stove ownership



..distribution of stove ownership across different income groups



....distribution of stove ownership across different expenditure groups

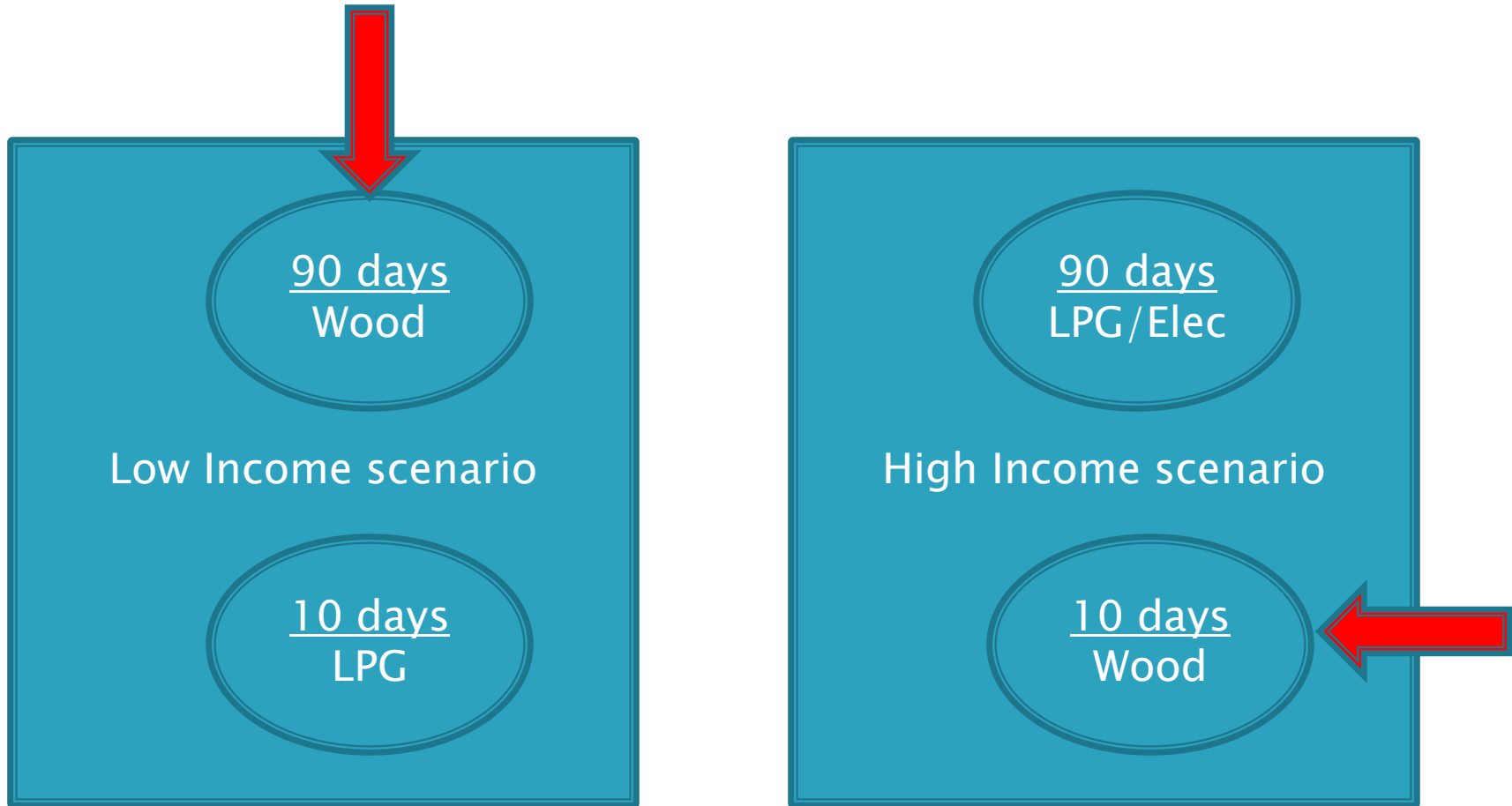


The above three simple descriptive statistics confirm fuel stacking pattern

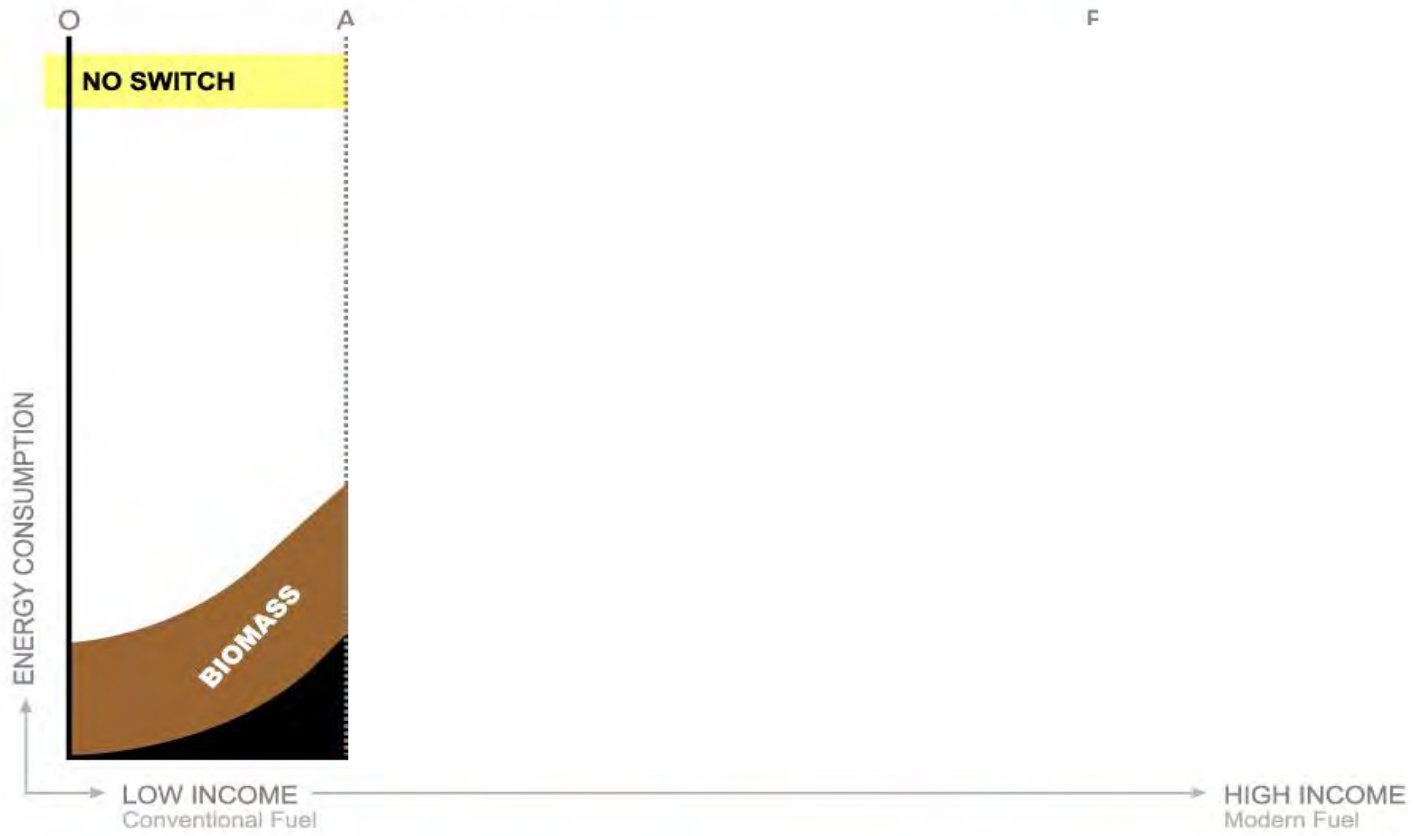
Overall, the study results confirms both energy ladder and fuel stacking pattern.

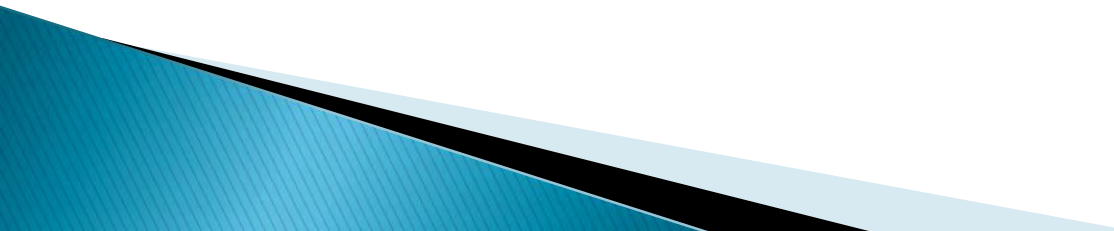
Can this two phenomena co-exist ?

...stacking and switching co-exist ?



If this two phenomena are not contradictory—how it can co-exist to explain fuel switch pattern ?



- ▶ Maserà et al (2000) in the conclusion states that “the so called fuel switch is actually a step towards multiple fuels cooking or fuel stacking”
 - ▶ Fuel stacking is also a step towards fuel switch, because by stacking, households start the process of de-stacking of conventional fuels.
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...conclusion

fuel stacking and energy ladder is not
contradictory rather complementary to
elucidate fuel switch process and
direction

Thank You

