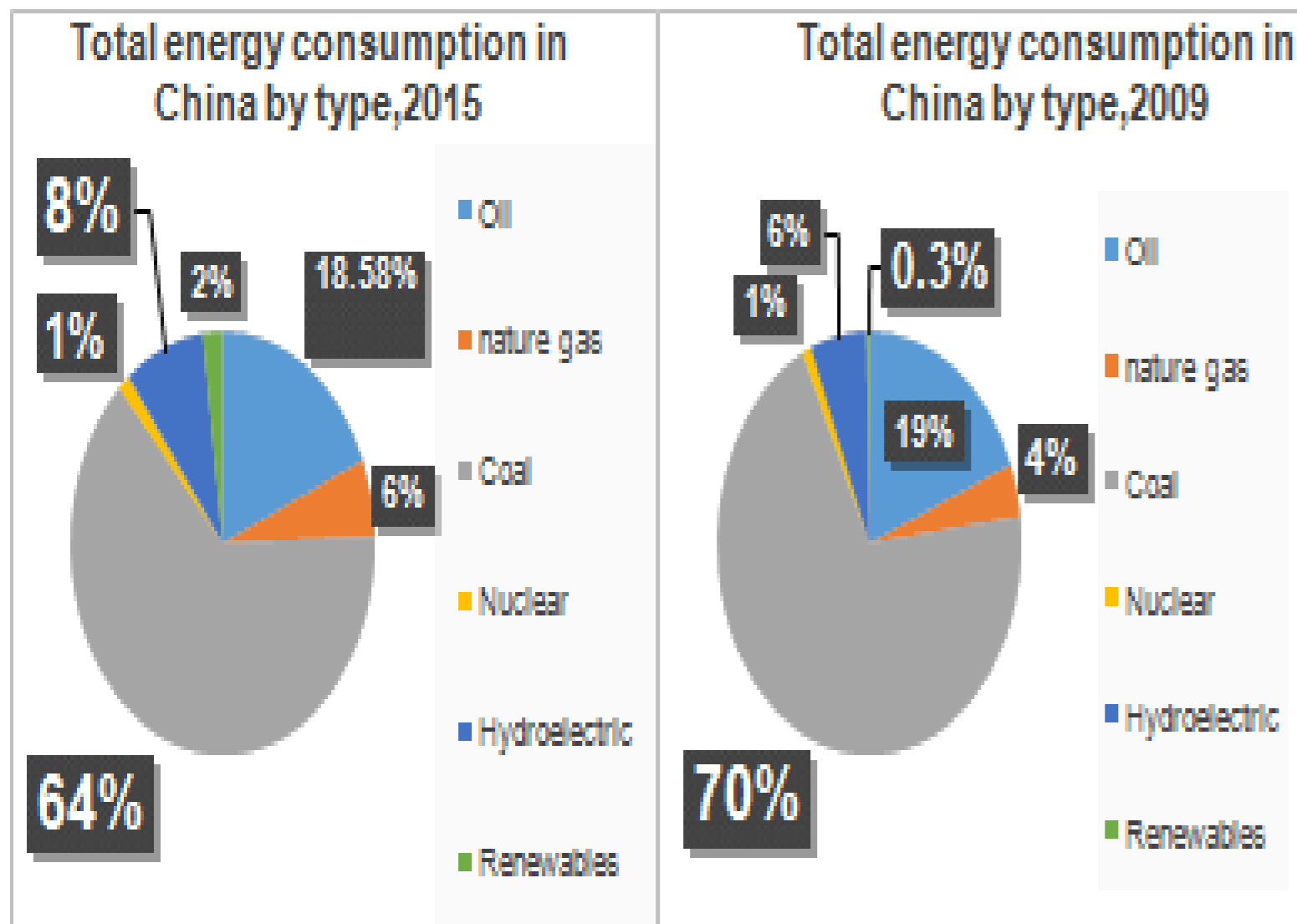


Name: SHUGE ZHU

### Introduction

#### ❖ Background

- (1) The contradiction between deteriorating environment and economic development is an acute issue in China.
- (2) The energy restructuring to renewable energy is the consideration of China.



#### ❖ Research question

In this study, the correlation between oil prices and stock prices of renewable energy companies in different sectors is investigated.

### Methodology

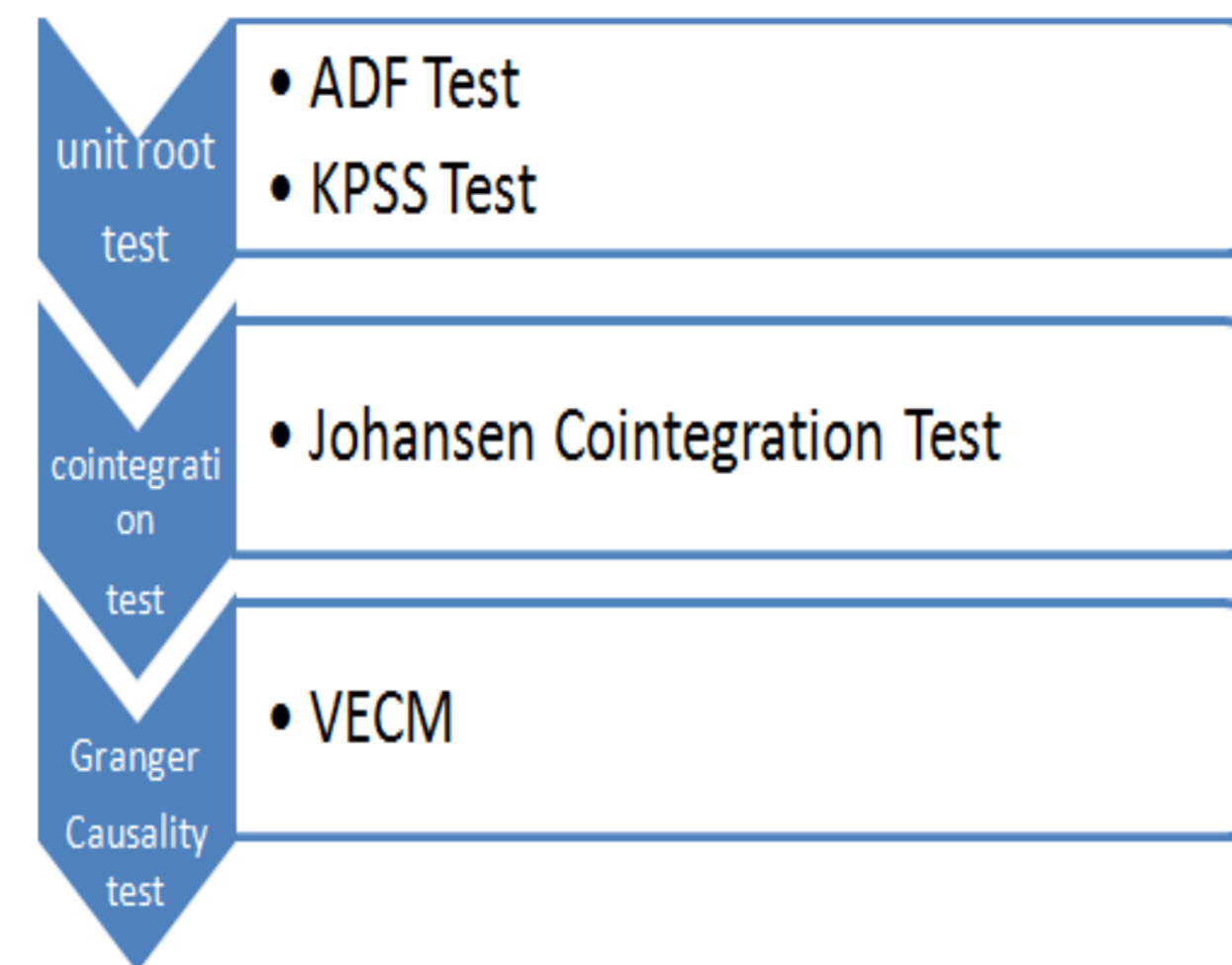
#### ❖ Input data

Monthly oil prices(WTI spot prices) and stock prices from May 1999 to May 2016

#### ❖ Real oil price for China

$$real\ oil\ price = oil\ price \times EXR \times \frac{CPI_{US}}{CPI_{China}}$$

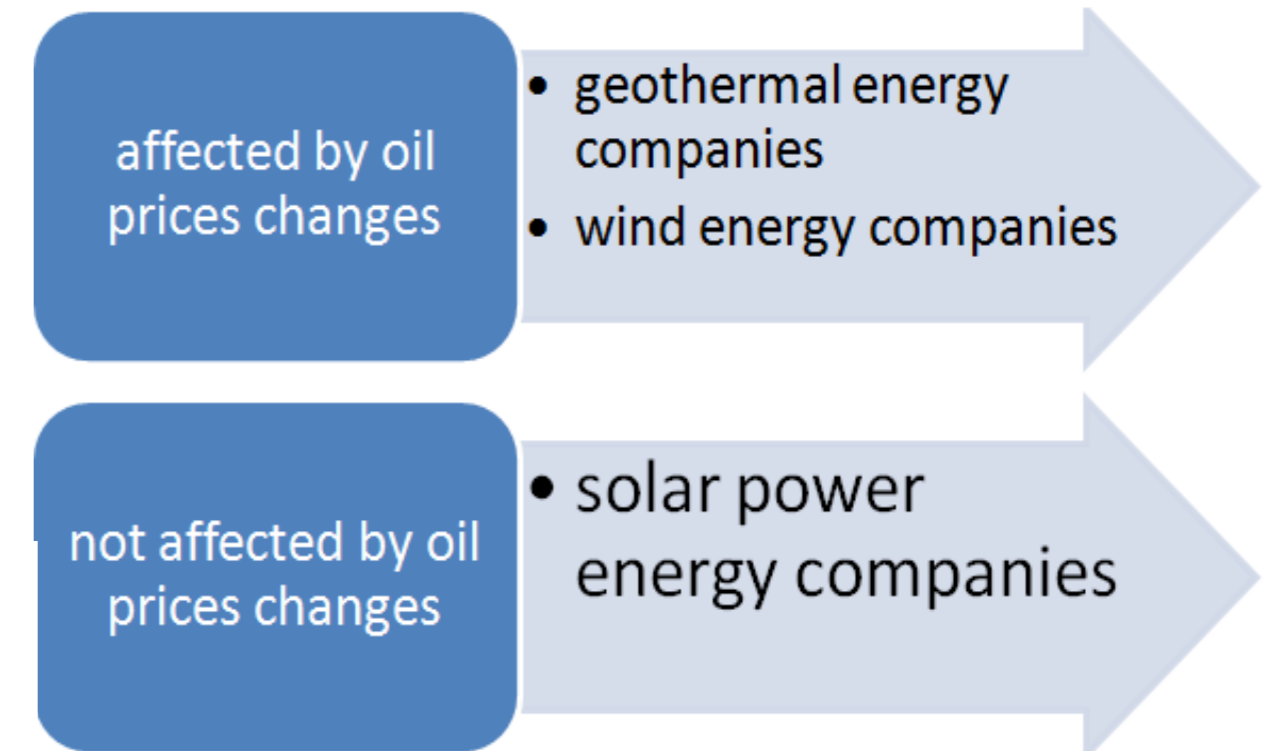
#### ❖ Empirical test process



### Main Findings

- ❖ Traditional energy companies and nuclear energy companies will not be affected by oil prices.

- ❖ Parts of renewable energy companies will be affected by oil prices.



- ❖ Mutual influences between renewable energy companies.

### Conclusion

- ❖ Oil prices have effects on renewable energy companies.
- ❖ Fund and policy support by government also have effects on renewable energy companies.
- ❖ To enhance the energy restructuring, government should be more supportive to the renewable energy companies.