## Extending the Model



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## Backward Bending Supply

- People value both money and the things it can buy and the time to enjoy the things money can buy.
- At some point, people decide to spend less time working.

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Evidence on Backward Bending

| Year | Per Capita | Hours Worked | "Wage |
| :---: | :---: | :---: | :---: |
| \|1870 ${ }^{\text {Pr }}$ |  | 2,964 | \$0.76 |
| Define the "wage rate" as Per Capita |  | 2,789 2605 | \$1.12 |
|  |  | 2,342 | \$2.71 |
| GDP/Hours |  | 2,062 1,867 | \$2.70 |
| worked. |  | 1,795 | \$4.61 |
|  |  | 1,717 | \$8.21 |
| ${ }^{1987}$ | 17,340 | 1,608 | \$10.78 |
| 1989 | 18,317 | 1,604 | \$11.42 |


| Year | Per Capita <br> GDP | Hours <br> Worked | "Wage <br> Rate" |
| :---: | :---: | :---: | ---: |
| 1870 | 2,254 | 2,964 | $\$ 0.76$ |
| 1890 | 3,115 | 2,789 | $\$ 1.12$ |
| 1913 | 4,868 | 2,605 | $\$ 1.87$ |
| 1929 | 6,336 | 2,342 | $\$ 2.71$ |
| 1938 | 5,568 | 2,062 | $\$ 2.70$ |
| 1950 | 8,611 | 1,867 | $\$ 4.61$ |
| 1960 | 9,995 | 1,795 | $\$ 5.57$ |
| 1973 | 14,103 | 1,717 | $\$ 8.21$ |
| 1987 | 17,340 | 1,608 | $\$ 10.78$ |
| 1989 | 18,317 | 1,604 | $\$ 11.42$ |


| Evidence on Backward Bending |  |  |  |
| :---: | :---: | :---: | :---: |
| Vear | $\underset{\substack{\text { Per Capita } \\ \text { cip }}}{\text { cita }}$ |  | "Wage Rat |
| 1870 | 2,254 | 2,964 | \$0.76 |
|  |  | (i, | (silit |
|  |  |  |  |
| (1900 |  | - | 边 |
| $\underset{\substack{1973 \\ 1987}}{198}$ |  | ${ }_{1}^{1,607}$ | (sior |
| 1989 | 18,317 | 1,604 | \$11.42 |
| KENTSTATE |  |  |  |



But there is more to the story.......

## A Simple Experiment

- Miller's Pizzeria offers you \$1,000 an hour. The owner promises - and you believe that you can earn that rate for the rest of your life.


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## A Simple Experiment

- Miller’s Pizzeria offers you \$1,000 an hour. The owner promises - and you believe that you can earn that rate for the rest of your life.
- Miller's Pizzeria is desperate for your efforts right now. This bonanza will not continue for long.


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## A Simple Experiment

 Th the You will work like a dog and put money yo.. aside for the future.

- Miller’s Pizzeris In short, people make hay efforts right nov - or pizzas - while the continue for lon sun shines.


## A Simple Experiment

- Miller's Pizzeria offers you $\$ 1,000$ an hour. The owner promises - and you believe that you can earn that rate for the rest of your life.
- No doubt you will work fewer hours, using the leisure, to spend your extra income (wisely?)

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## A Simple Experiment

- Miller's Pizzeria offers you $\$ 1,000$ an hour. The owner promises - and you believe the You will work like a $r$ the rest of yo dog and put money
- M aside for the future. : for your efforts right now. This bonanza will not continue for long.


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## Our Revised Model




## Our Revised Model



## Our Revised Model


the dem: The lono run cunnly curve $\mathrm{S}^{\mathrm{LR}}$ The short run supply curve $S^{\text {SR }}$ :ople will
shows us how people will nent rise in respond to a temporary rise in ind. labor demand



## A Permanent Increase



## A Temporary Increase





## End

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