

NET PRESENT VALUE TABLE

period = percent = NpV= 0.909

| | m=%10 | m=%12 | m=%14 | m=%15 | m=%16 |
|------|--------|-------|-------|-------|-------|
| x=1 | .909 | 0.893 | 0.877 | 0.870 | 0.862 |
| x=2 | 0.826 | 0.797 | 0.769 | 0.756 | 0.743 |
| x=3 | 0.0751 | 0.712 | 0.675 | 0.658 | 0.641 |
| x=4 | 0.683 | 0.636 | 0.592 | 0.572 | 0.552 |
| x=5 | 0.683 | 0.636 | 0.592 | 0.572 | 0.552 |
| x=6 | 0.564 | 0.507 | 0.456 | 0.432 | 0.410 |
| x=7 | 0.513 | 0.452 | 0.400 | 0.376 | 0.354 |
| x=8 | 0.467 | 0.404 | 0.351 | 0.327 | 0.305 |
| x=9 | 0.424 | 0.361 | 0.308 | 0.284 | 0.263 |
| x=10 | 0.386 | 0.322 | 0.270 | 0.247 | 0.227 |

Sample code

```
function npv(x, m, f=3) {  
  let j=1+(m/100)  
  let i=(Math.pow(j,x))  
  let p =1/i  
  return p.toFixed(f)  
}  
function doTable() {  
  const L = [10, 12, 14, 15, 16]  
  let a = L.map((m) => '%'+m)  
  let str = header(a)  
  for (let x=1; x<=10; x++) {  
    let a = L.map((m) => npv(x, m))  
    str += oneLine(a, x)  
  }  
  return str  
}
```

| | Discount Rate % | | | | |
|--------|-----------------|-------|-------|-------|-------|
| Period | 10% | 12% | 14% | 15% | 16% |
| 1 | 0.909 | 0.893 | 0.877 | 0.870 | 0.862 |
| 2 | 0.826 | 0.797 | 0.769 | 0.756 | 0.743 |
| 3 | 0.751 | 0.712 | 0.675 | 0.658 | 0.641 |
| 4 | 0.683 | 0.636 | 0.592 | 0.572 | 0.552 |
| 5 | 0.621 | 0.567 | 0.519 | 0.497 | 0.476 |
| 6 | 0.564 | 0.507 | 0.456 | 0.432 | 0.410 |
| 7 | 0.513 | 0.452 | 0.400 | 0.376 | 0.354 |
| 8 | 0.467 | 0.404 | 0.351 | 0.327 | 0.305 |
| 9 | 0.424 | 0.361 | 0.308 | 0.284 | 0.263 |
| 10 | 0.386 | 0.322 | 0.270 | 0.247 | 0.227 |

Reference: [Net Present Value Table](#)

MY OLD HW1= <https://mervecinar.github.io/BLM19305E/HW1/home.html>

MY REPO = <https://mervecinar.github.io/BLM19305E//index.html>