What is COCOMO?

Constructive Cost Model

Why?

Assess + retention, raised

Improve

Productivity
Programme Productivity

\[ \text{Cost} \]

\[ \text{Time/Duration} \]

How much should your software cost?

\[ \text{Price} = \text{Cost} + \text{Profit} \]
Your costs

Hot Pockets & Toil
(misc food & beverage)

Health Insurance

Taxes

Cost of your Time (opportunity costs)

HW & Networking & Electricity

Rent/Mortgage
30 days to deliver
$20/day

check $600

If you work for a company
same costs
You don't want to be on overhead!
Productivity Metrics

1. Amount & Time to get to Milestone
   (average 
   Included all development activities
   +

| Amount of Effort | Who gets the credit | milestone
| varies / milestone |

Title: Feb 10-2:55 PM (7 of 13)
time to code
\[\frac{\text{time to code}}{\text{time to debug}}\]
total project time

\[\text{LOC} - \text{lines of code}\]
10 ms

src

bytecode

10 ms

bytecode & machine code

10 ms

optimize machine code
Lines of machine code

3 → C

1 → 0
Goals | Specs | Functionality

Productivity → Functional Points

Object Points
FP → # inputs
# outputs

- name
- place
- address

→ mailing label

Object Pts → # of screens
# of reports