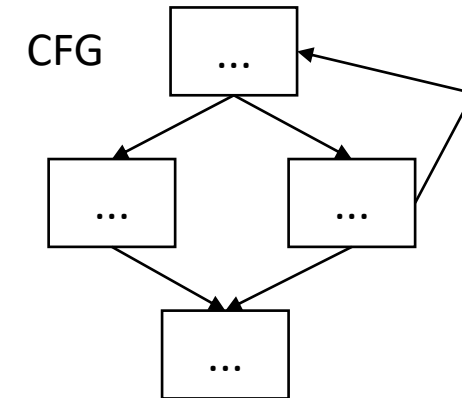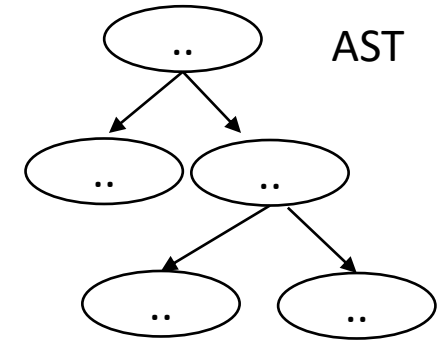# CSE110A: Compilers
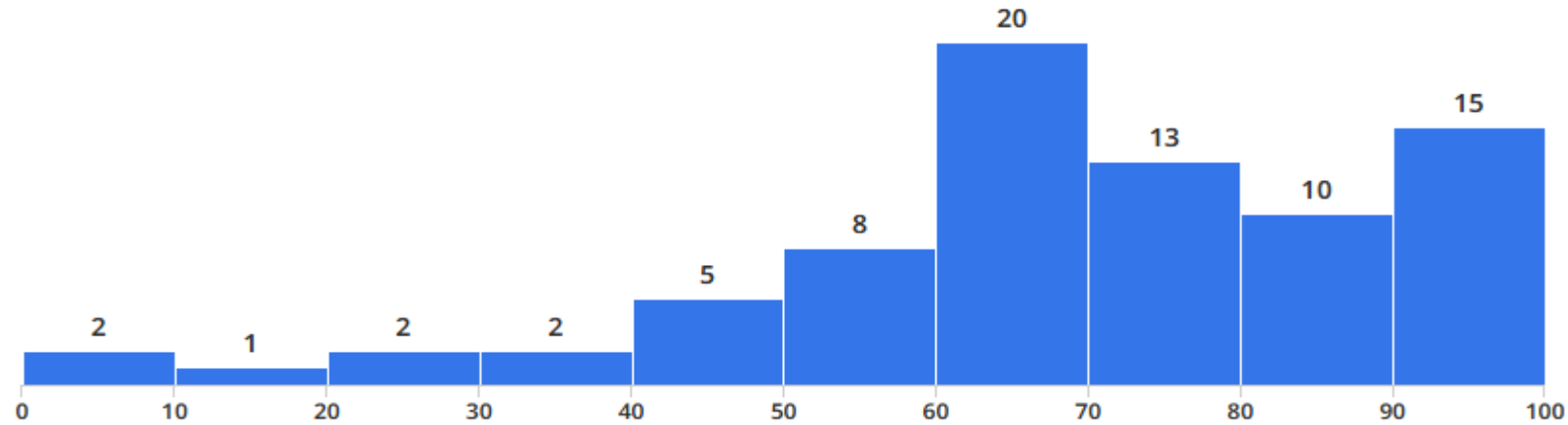
AST

Topics:

- *MIDTERM STATS*

CFG

3 address code

```
store i32 0, ptr %2
%3 = load i32, ptr %1
%4 = add nsw i32 %3, 1,
store i32 %4, ptr %1
%5 = load i32, ptr %2
```

CSE110A: Compilers

Grading is Complete.   Grades will be posted soon.

CSE110A: Extra Credit

LLVM in 100 Seconds:

https://www.youtube.com/watch?v=BT2Cv-Tjq7Q&t=2s$G

Extra Credit Topic Ideas:

      LLVM-IR

      MLIR

      Machine Learning and Compilers

      Matrix Multiplication / Addition

      Sparse Linear Algebra and Compilers

      JAX – MLIR

      DSL: Domain Specific Languages

      Lowering and Code Generation

      SPVIR : Graphics and Compilers

See Extra Credit Document for Details.