

# The Research of Different CPUs released from 2000 and the future trends

Randy Li  
Zhixuan Huang

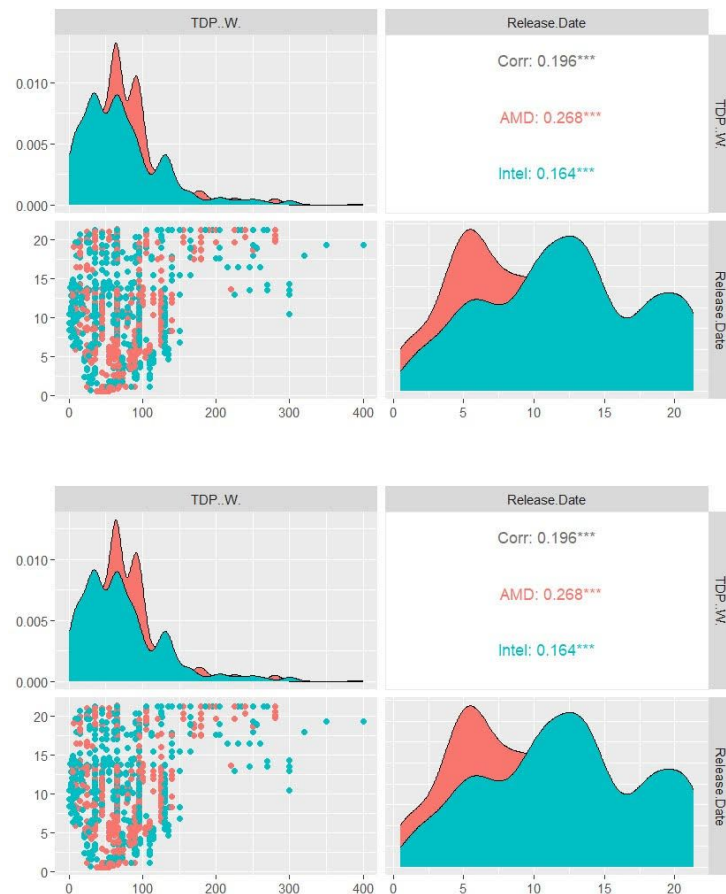
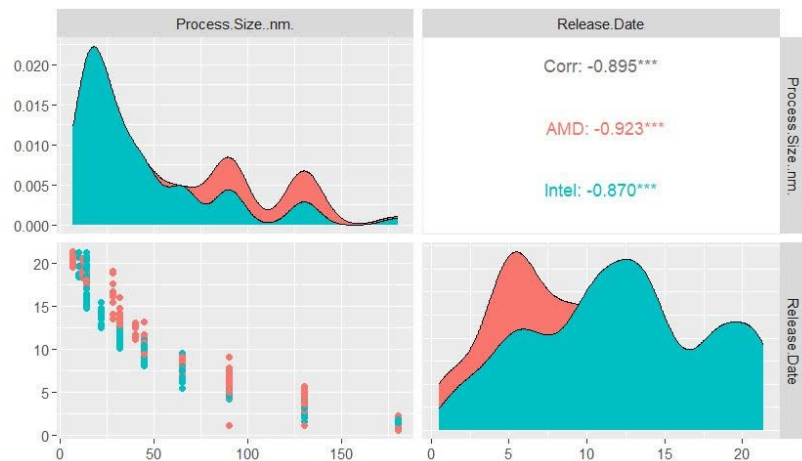




# Introduction

- Is the process size getting smaller or bigger?
- Is the Terminal Design Power increasing or decreasing?
- What are the factors that affect CPU performances?

# Visualization





# Hypothesis

# Hypothesis test of the relation of frequency and process size.

# Hypothesis: Smaller process size causes larger frequency.

# Applying the hypothesis test

Confidence interval of process size: 50.20401 53.73486

Confidence interval of frequency: 2450.761 2514.025

p-value:  $< 2.2e-16$

# Thank You

