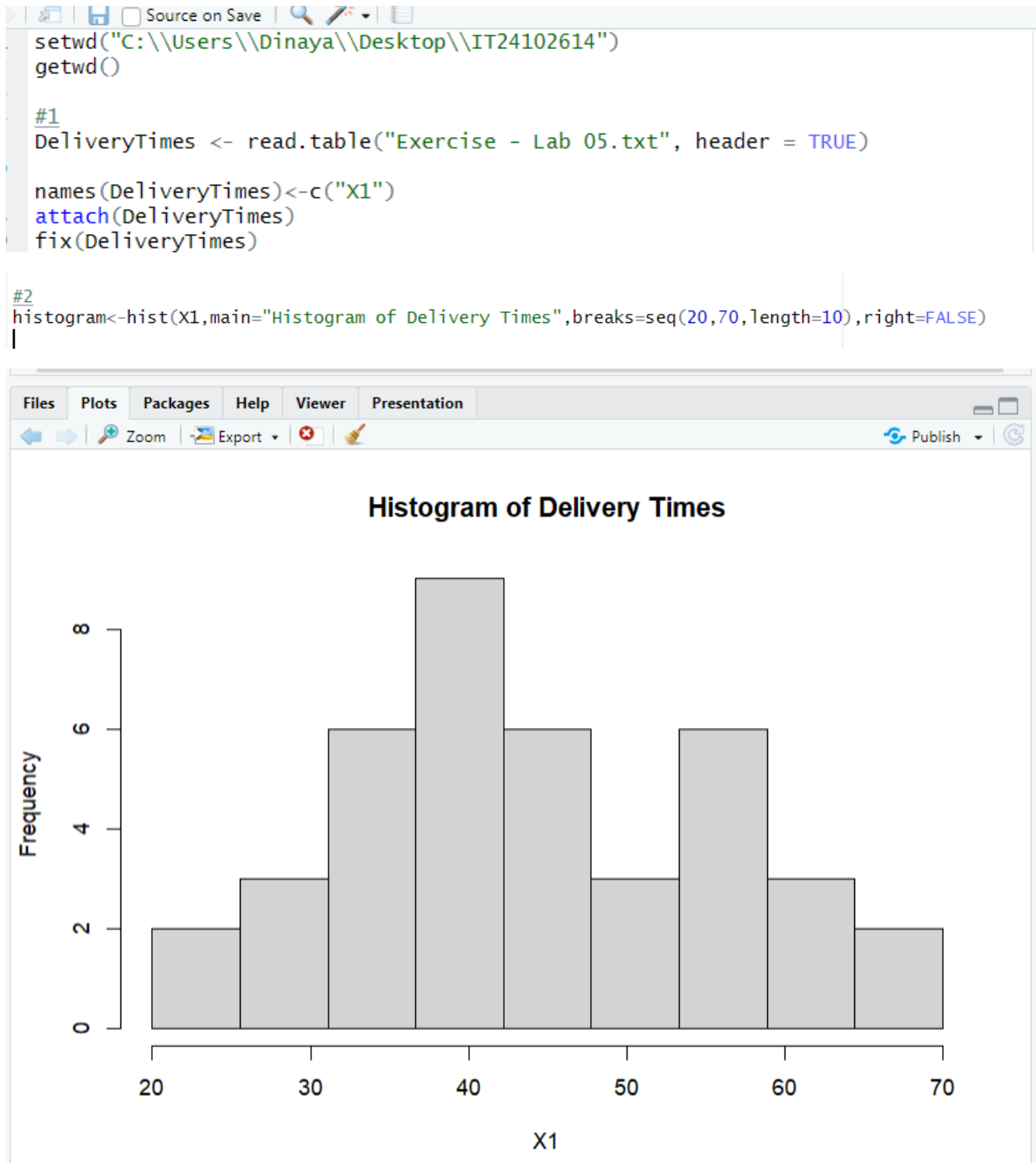


# IT2120 - Probability and Statistics

## Lab Sheet 05



Q3 -: The histogram shows one main peak around 40 minutes,

meaning most deliveries happen around that time.

It looks mostly even on both sides but leans a little to the right,

with fewer deliveries taking longer up to 70 minutes.

```
#4
breaks <- seq(20, 70, by = (70 - 20) / 9)
freq <- hist(X1, breaks = breaks, right = FALSE, plot = FALSE)

# Cumulative frequencies
cumfreq <- cumsum(freq$counts)

# Plot ogive
plot(
  freq$breaks[-1], cumfreq, type = "o",
  main = "Cumulative Frequency Polygon (Ogive)",
  xlab = "Delivery Time", ylab = "Cumulative Frequency",
  col = "orange", pch = 16
)
```

