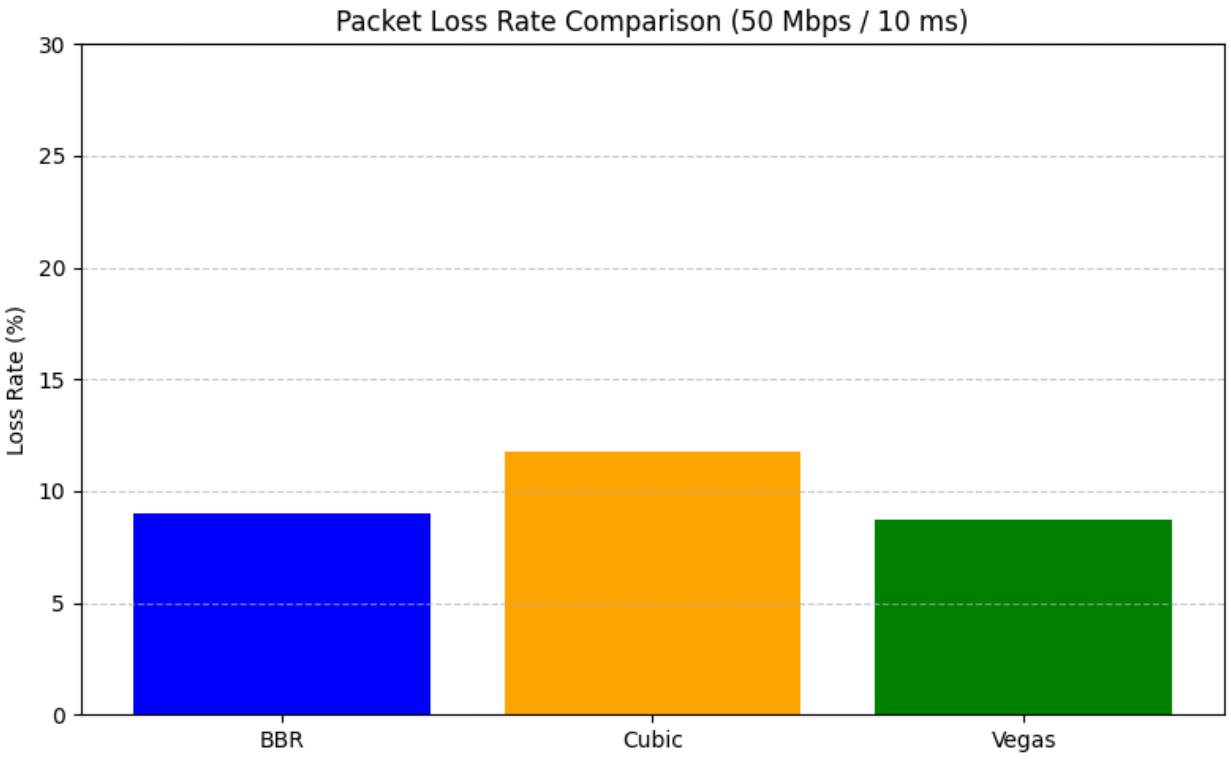
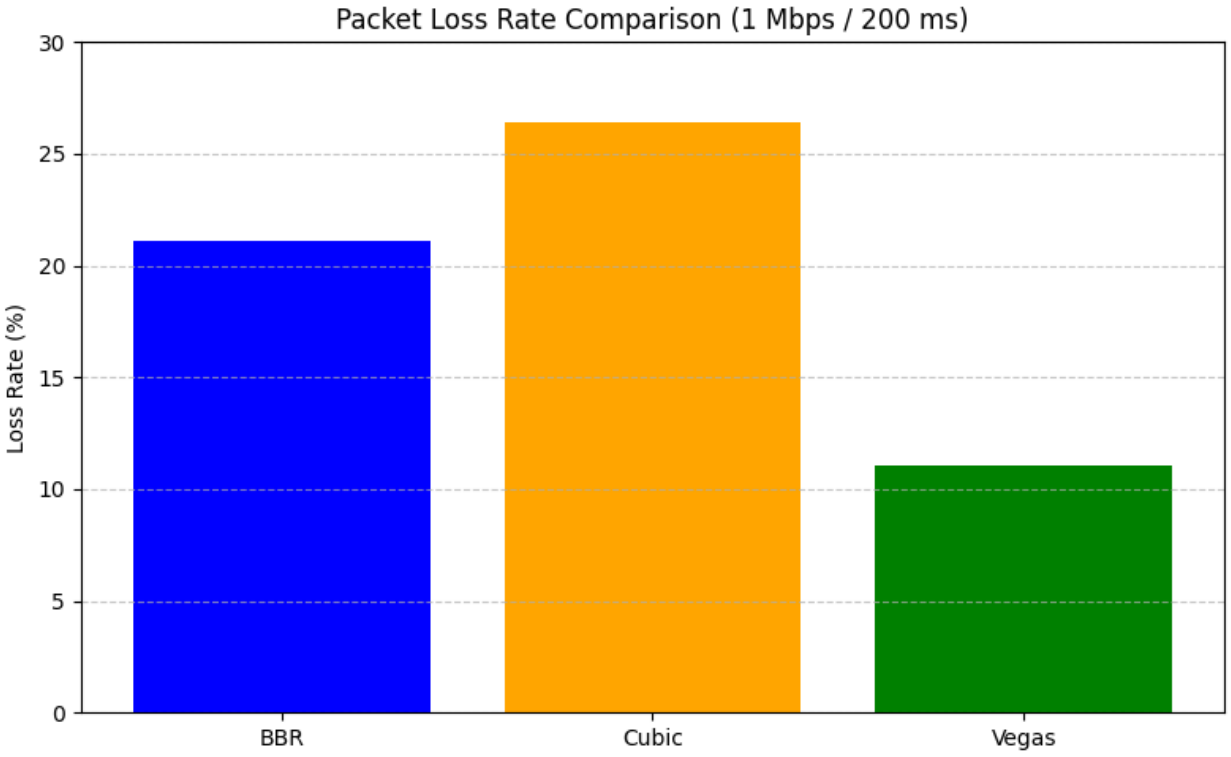
```python
import matplotlib.pyplot as plt

# --------------------------------
# Data Setup
# --------------------------------

# Schemes
schemes = ['BBR', 'Cubic', 'Vegas']

# Loss rates for 50 Mbps / 10 ms
losses_50mbps = [9.04, 11.78, 8.74]

# Loss rates for 1 Mbps / 200 ms
losses_1mbps = [21.13, 26.41, 11.09]

# --------------------------------
# Plot 1: Loss Comparison for 50 Mbps / 10 ms
# --------------------------------
plt.figure(figsize=(8, 5))
plt.bar(schemes, losses_50mbps, color=['blue', 'orange', 'green'])
plt.title('Packet Loss Rate Comparison (50 Mbps / 10 ms)')
plt.ylabel('Loss Rate (%)')
plt.ylim(0, 30)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.tight_layout()
plt.show()

# --------------------------------
# Plot 2: Loss Comparison for 1 Mbps / 200 ms
# --------------------------------
plt.figure(figsize=(8, 5))
plt.bar(schemes, losses_1mbps, color=['blue', 'orange', 'green'])
plt.title('Packet Loss Rate Comparison (1 Mbps / 200 ms)')
plt.ylabel('Loss Rate (%)')
plt.ylim(0, 30)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.tight_layout()
plt.show()
```






```
import matplotlib.pyplot as plt

protocols = ['Cubic (50 Mbps)', 'BBR (50 Mbps)', 'Vegas (50 Mbps)',
```

```
             'Cubic (1 Mbps)', 'BBR (1 Mbps)', 'Vegas (1 Mbps)']
throughput = [0.62, 0.46, 0.55, 0.53, 0.36, 0.53]
rtt = [1519.22, 1484.32, 1544.94, 9113.14, 6065.29, 9126.67]

plt.figure(figsize=(10, 6))
for i in range(len(protocols)):
    plt.scatter(-rtt[i], throughput[i], label=protocols[i])
    plt.text(-rtt[i] + 30, throughput[i], protocols[i], fontsize=8)

plt.title('Throughput vs. RTT for Different TCP Protocols')
plt.xlabel('RTT (ms) [Lower is better →]')
plt.ylabel('Average Throughput (Mbps)')
plt.grid(True)
plt.tight_layout()
plt.show()
```