

### Question 3: What is the Average 40 yd Dash Time by Position

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In [5]: # Rename the 'Pos' column to 'Position'
df.rename(columns={'Pos': 'Position'}, inplace=True)

# Calculate average 40yd times for each position
avg_40yd_by_position = df.groupby('Position')['40yd'].mean().sort_values(ascending=False)

# Create a bar chart
fig = px.bar(avg_40yd_by_position,
             x=avg_40yd_by_position.index,
             y=avg_40yd_by_position.values,
             labels={'x': 'Position', 'y': 'Average 40yd Dash Time'},
             title="Average 40yd Dash Time by Position")

# Show the figure
fig.show()
```

Average 40yd Dash Time by Position

