



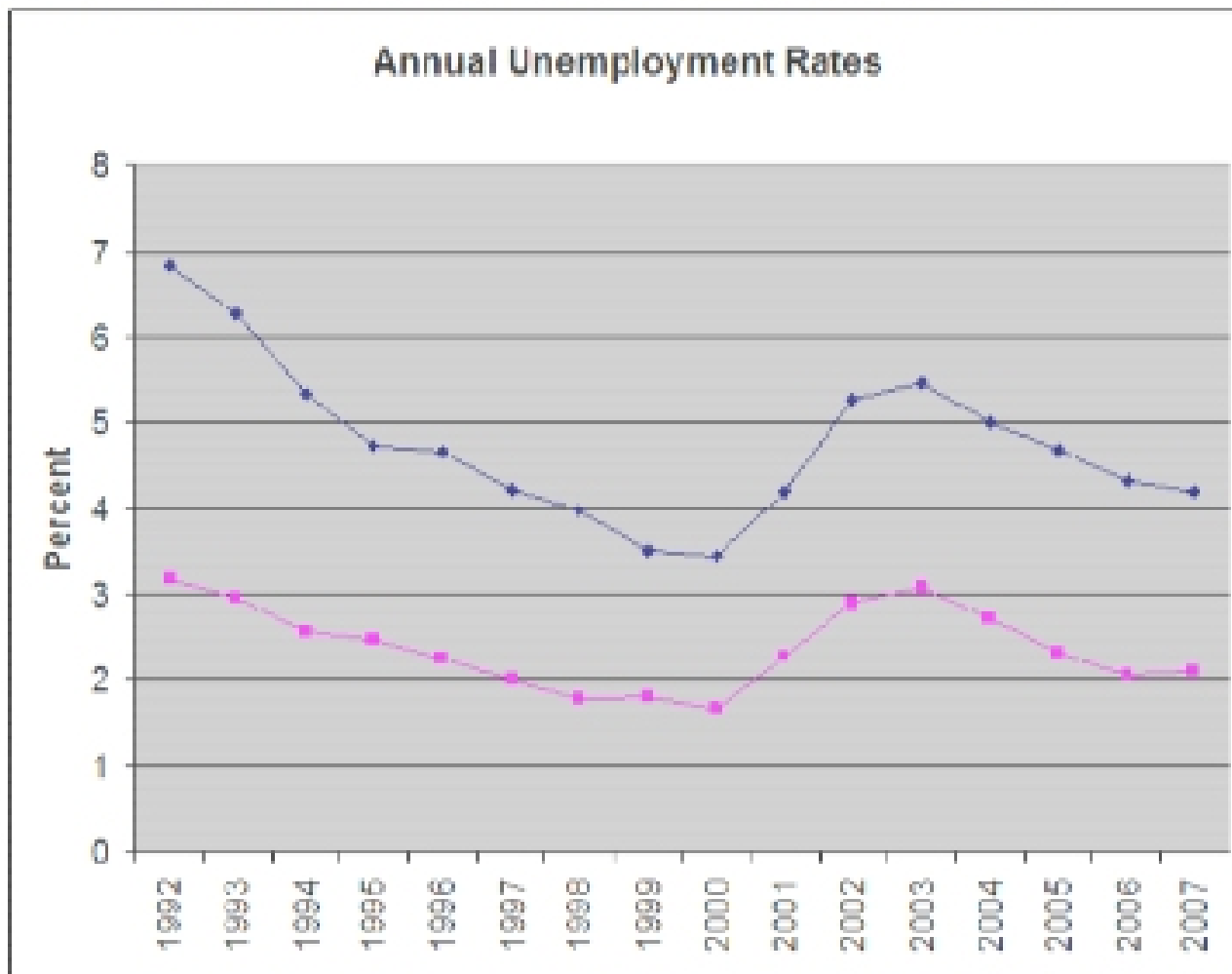
This one is the unemployment rate for college grads...

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1992	3.1	3.2	2.9	3.2	3.2	3.2	3.1	3	3.2	3.3	3.4	3.3
1993	3.1	3.2	3.2	3.2	3	2.9	2.8	2.6	2.8	2.9	2.9	2.8
1994	2.9	2.8	2.8	2.5	2.5	2.6	2.7	2.5	2.5	2.4	2.3	2.3
1995	2.4	2.3	2.5	2.7	2.5	2.6	2.5	2.5	2.4	2.4	2.3	2.4
1996	2.4	2.3	2.2	2.3	2.3	2.2	2.2	2.1	2.2	2.2	2.3	2.3
1997	2.1	2.1	2	2	2.2	2	2.1	2.1	2.1	1.9	1.7	1.8
1998	1.9	1.9	1.8	1.7	1.7	1.7	1.7	1.8	1.7	1.9	1.9	1.8
1999	1.8	1.9	1.9	2	1.9	2	1.8	1.6	1.7	1.7	1.7	1.7
2000	1.8	1.6	1.7	1.5	1.6	1.6	1.7	1.9	1.9	1.6	1.5	1.5
2001	1.6	1.6	2	2.1	2.1	2.2	2.2	2.3	2.5	2.6	2.9	3
2002	2.9	2.9	2.8	2.9	2.9	3	3	2.8	2.9	3	2.9	2.9
2003	3	3	3.1	3	3	3.1	3.1	3.1	3.2	3.1	3.1	3
2004	2.9	2.9	2.9	2.8	2.9	2.7	2.7	2.7	2.5	2.5	2.5	2.5
2005	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.1	2.3	2.3	2.3	2.2
2006	2.1	2.2	2.2	2.2	2.1	2.1	2.1	1.8	2	1.9	1.9	1.9
2007	2.1											

**Is it easy to see patterns or trends in these data?**

## Average Unemployment Rate

Blue = High School Grads Pink = College Grads



In deciding which graphical display is appropriate for a data summary, we need to discuss different types of variables.

### Types of Variables

#### Categorical (Category)

- Nominal – Name of a Category
  - Ex.
- Ordinal – Has a natural ordering
  - Ex.

#### Quantitative (Quantity)

- Discrete – distinct cutoffs between values
  - Ex.
- Continuous – on a continuum
  - Ex.