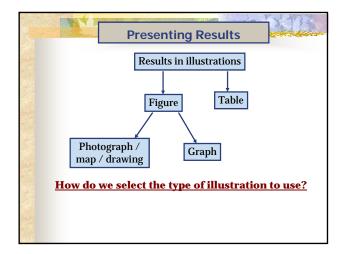
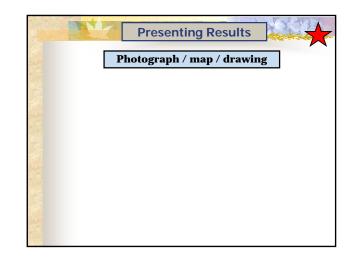


hat kind of data	can be presented in t	he text?
Relative compa	risons of data presen	ted in illustration
	ity parameters measured in shington on July 14, 2007 fro	om 1:00 to 2:00 PM.
	n ± 1 SD. Different letters inc een sites by Student's t test.	0
	een sites by Student's t test.	0
differences betwe	een sites by Student's t test.	5 ()
differences betwee Water Quality Para	een sites by Student's t test. meter Bear Creek	North Creek

than Bear Creek on the average.

10. **Presenting Results** Results in the text Results in illustrations vs. What data NOT to present in the text? Text Temperature measured over time varied as "t (time, in minutes)=15, T (temperature, in °C)=32; t=0, T=25; t=6, T=29; t=3, T=27; t=12, T=32; t=9, T=31 Table Table 4. Temperature changes over the course of the experiment .. Temperature (°C) Time (minutes) 0 25 Other 3 27 suggestions for 6 29 illustrations? 9 31 12 32 15 32





Prese	enting Resu	ults	$\mathbf{\mathbf{k}}$
Graph	vs.	Table	
The use of a table o	or graph depend	s upon which of these	
things the	writer wishes to	o emphasize.	

Р	resenting Results Practice: Example 1
Observa	tion: Salmonberry (<i>Rubus spectabilis</i>) reproduces better in floodplain habitat than on hillsides.
Question	1: Why does salmonberry reproduce better in floodplain habitat than on hillsides?
	esis 1: Salmonberry reproduces better in floodplain habitats because soil conditions are more favorable there than on hillside.
	H1A: Soil moisture is greater in the floodplain than on the hillslope.
	H1B: Soil nitrogen is greater in the floodplain than on the hillslope.
	H1C: Soil pH is more neutral in the floodplain than on the hillslope.

	0.11		
5 sites at each location	Soil Characteristic	Floodplain	Hillslope
(hillslope & floodplain)	Soil Moisture	65.2	42.1
were sampled for soil	Soli Woisture	64.3	26.2
were sampled for som		55.9	15.1
oisture, nitrogen & pH		59.7	52.9
		60.1	44.5
	Soil Nitrogen	0.19	0.10
What do we do now		0.14	0.23
to test the		0.16	0.05
hypotheses?		0.17	0.26
hypotheses:		0.16	0.07
	Soil pH	6.9	5.0
		6.7	4.1
		6.5	5.3
		6.4	4.7
		6.6	5.8

	Presenting Resul	ts Practice: Exam	ple 1
P	resentation	of data in a t	able
	Upper Bound Line		
Headings for variables	Soil Characteristic	Floodplain	Hillside
	Heading Bound Line	e	
		Data Space	
	Lower Bound Line	e	

Presentati	ion of data in a	a table
Table 1. Moisture content, nit	trogen concentration,	and pH of soils from
the North Creek floodplain	and adjacent westerr	n hillside on July 22
2003 at the UW Bothell ca	•	0
are shown ± 1 SD. Differen	0	
(P<.05) between sites for e	ach soil characteristic	by Student's t-test.
Soil Characteristic	Floodplain	Hillside
Moisture (% wet weight)	$61.0\pm3.8\ a$	$36.2\pm15.2\ b$
Nitrogen (% dry weight)	$0.16\pm0.02\ a$	$0.14\pm0.10\ a$
pH	$6.6 \pm 0.2 a$	$5.0\pm0.6\ b$
Use spacin	ig and clear col	umns
eee opaon	it easily readal	

Professional	style table: l	Jse this for clas
oil Characteristic	Floodplain	Hillside
loisture (% wet we	eight) 61.0 ± 3.8 a	36.2 ± 15.2 b
litrogen (% dry we	ight) 0.16 ± 0.02 a	a 0.14 ± 0.10 a
н	6.6 ± 0.2 a	5.0 ± 0.6 b
		5.0 ± 0.6 b for class use Hillside
Informal sty	/le table: Not	for class use
Informal sty Soil Characteristic	/le table: Not Floodplain	for class use

11 Elements	of an eynan	ded table	rantion
11 Encincints	or an expan		aption
Table 1. Moisture content, nitr	ogen concentration,	and pH of soils	1
from the North Creek flood	lain and adjacent w	estern hillside	
on July 22, 2003 at the UW	Rothell campus Bot	thell	
·			
Washington. Means (n=5) a	re shown ± 1 SD. Di	fferent letters	
indicate significant difference	ces (P<.05) between	sites for each	
soil characteristic by Studen	t's t-test.		
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	61.0 ± 3.8 a	$36.2\pm15.2~b$	
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	$0.14\pm0.10\ a$	

Presenting	g Results Pra	actice: Exa	mple 1
11 Elements	of an expan	ded table	caption
Table 1. Moisture content, nitre	ogen concentration,	and pH of soils	2
from the North Creek floodp	lain and adjacent w	estern hillside	
on July 22, 2003 at the UW	Bothell campus, Bot	hell,	
Washington. Means (n=5) a	re shown ± 1 SD. Dif	fferent letters	
indicate significant difference	es (P<.05) between	sites for each	
soil characteristic by Studen	t's t-test.		
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0 \pm 3.8 \text{ a}$	$36.2\pm15.2~b$	
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	$0.14\pm0.10~a$	
pH	$6.6\pm0.2~a$	$5.0\pm0.6\ b$	

			22254
11 Elements	of an expan	ded table capt	ion
Table 1. Moisture content, nitr			3
from the North Creek floodp	blain and adjacent w	estern hillside	
on July 22, 2003 at the UW	Bothell campus, Bo	thell,	
Washington. Means (n=5) a	re shown ± 1 SD. Di	fferent letters	
indicate significant different	ces (P<.05) between	sites for each	
soil characteristic by Studen	t's t-test.		
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2\;b$	
	0.16 ± 0.02 a	0.14 ± 0.10 a	
Nitrogen (% dry weight)	0.10 ± 0.02 a		

Presenting	g Results Pra	actice: Exa	mple 1
11 Elements	of an expan	ded table	caption
Table 1. Moisture content, nitro	ogen concentration,	and pH of soils	4
from the North Creek floodp	lain and adjacent w	estern hillside	
on July 22, 2003 at the UW	Bothell campus, Bo	thell,	
Washington. Means (n=5) an	re shown ± 1 SD. Di	fferent letters	
indicate significant difference	ces (P<.05) between	sites for each	
soil characteristic by Studen	t's t-test.		
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2\ b$	
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	$0.14\pm0.10~a$	
pH	6.6 ± 0.2 a	5.0 ± 0.6 b	

Presenting	g Results Pra	actice: Exan	
11 Elements	of an expan	ded table c	aption
Table 1. Moisture content, nitre	ogen concentration,	and pH of soils	(5)
from the North Creek floodp	lain and adjacent w	estern hillside	<u> </u>
on July 22, 2003 at the UW	Bothell campus, Bo	thell,	
Washington Means (n=5) a	re shown ± 1 SD. Di	fferent letters	
indicate significant difference	ces (P<.05) between	sites for each	
soil characteristic by Studen	t's t-test.		
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2~b$	
Nitrogen (% dry weight)	$0.16\pm0.02\ a$	$0.14\pm0.10\ a$	
pH	6.6 ± 0.2 a	5.0 ± 0.6 b	

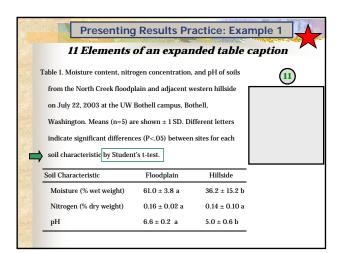
Presenting	g Results Pra	actice: Exa	
11 Elements	of an expan	ded table	caption
able 1. Moisture content, nitre	ogen concentration,	and pH of soils	6
from the North Creek floodp	lain and adjacent w	estern hillside	$\overline{}$
on July 22, 2003 at the UW	hell,		
Washington. Means $(n=5)$ are shown ± 1 SD. Different letters			
indicate significant difference			
soil characteristic by Studen			
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	61.0 ± 3.8 a	$36.2\pm15.2~b$	
Niture store (0/ does not shat)	$0.16 \pm 0.02 \ a$	0.14 ± 0.10 a	
Nitrogen (% dry weight)			

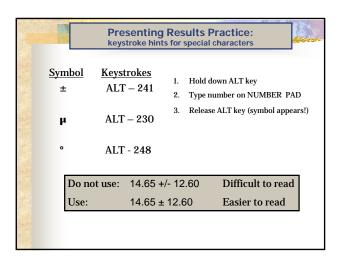
11 Elements	of an expan	ded table o	caption
able 1. Moisture content, nitro from the North Creek floodp on July 22, 2003 at the UW Washington. Means (n=5) at indicate significant differenc soil characteristic by Studen	ogen concentration, plain and adjacent w Bothell campus, Bo re shown ± 1 SD Di ces (P<.05) between	and pH of soils estern hillside thell, fferent letters	(
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0 \pm 3.8 \text{ a}$	$36.2\pm15.2\ b$	
Nitrogen (% dry weight)	$0.16 \pm 0.02 \; a$	$0.14\pm0.10\ a$	
pH	6.6 ± 0.2 a	5.0 ± 0.6 b	

Presenting	g Results Pra	actice: Exa	mple 1
11 Elements	of an expan	ded table o	caption
Table 1. Moisture content, nitre	ogen concentration,	and pH of soils	(8)
from the North Creek floodp	lain and adjacent w	estern hillside	
on July 22, 2003 at the UW	thell,		
➡ Washington. Means (n=5) a	fferent letters		
indicate significant difference	ces (P<.05) between	sites for each	
soil characteristic by Studen	t's t-test.		
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2\ b$	
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	$0.14\pm0.10\ a$	
pH	$6.6\pm0.2\ a$	$5.0\pm0.6\ b$	

11 Elements	of an expan	ded table capt	ion
Table 1. Moisture content, nitro from the North Creek floodg on July 22, 2003 at the UW Washington. Means (n=5) a indicate significant different soil characteristic by Studen	ogen concentration, plain and adjacent w Bothell campus, Bo re shown ± 1 SD. Di ces (P<.05) petween	and pH of soils estern hillside thell, fferent letters	9
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2~b$	
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	$0.14\pm0.10~\text{a}$	

Presenting	g Results Pra	actice: Exar	nple 1
11 Elements	of an expan	ded table o	caption
able 1. Moisture content, nitro	ogen concentration,	and pH of soils	
from the North Creek floodp			
on July 22, 2003 at the UW			
Washington. Means (n=5) a			
indicate significant differences (P<.05) between sites for each			
soil characteristic by Studen	t's t-test.		
Soil Characteristic	Floodplain	Hillside	
Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2\ b$	
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	$0.14\pm0.10\ a$	
pH	6.6 ± 0.2 a	5.0 ± 0.6 b	





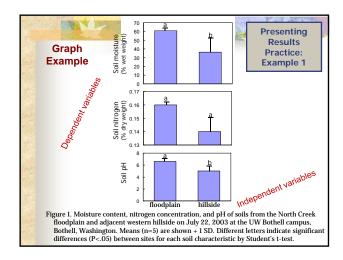
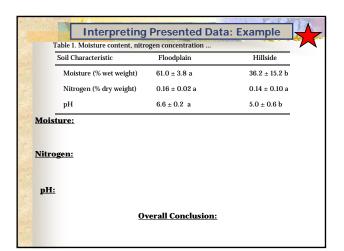


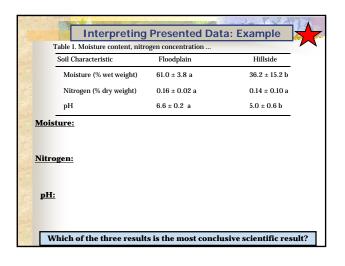
Table 1. Moisture content, nitro North Creek floodplain and the UW Bothell campus, Bot SD. Different letters indicate for each soil characteristic b	adjacent western hillside thell, Washington. Means e significant differences (on July 22, 2003 at s (n=5) are shown ± 1
Soil Characteristic	Floodplain	Hillside
Moisture (% wet weight)	$61.0\pm3.8~a$	36.2 ± 15.2 b
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	0.14 ± 0.10 a
рН	$6.6\pm0.2\ a$	$5.0\pm0.6\ b$
XT: XX = ? moisture was XX % greater tive basis (Table 1). Soil mo ide. Soil nitrogen concentra	isture was considerab	ly more variable on

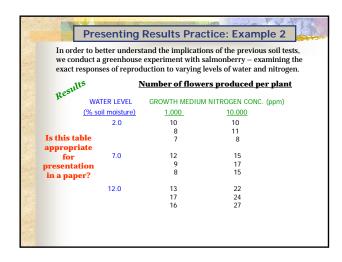
was more variable on the hillside. Hillside soils were 24% more acidic (1.6 pH units lower) and more variable than floodplain soils.

	Using Relati	ve Comparison	is: Example
	Soil Characteristic	Floodplain	Hillside
	Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2~b$
	Nitrogen (% dry weight)	$0.16\pm0.02\ a$	0.14 ± 0.10 a
	рН	$6.6\pm0.2\ a$	$5.0\pm0.6\ b$
Soil	moisture was 40.7 % less or	n the hillside than in th	ne floodplain (Table 1).

Soil Characteristic	Floodplain	
		Hillside
Moisture (% wet weight)	$61.0\pm3.8~a$	$36.2\pm15.2~b$
Nitrogen (% dry weight)	$0.16\pm0.02\;a$	$0.14\pm0.10~a$
рН	$6.6\pm0.2\ a$	$5.0\pm0.6\;b$







uppercase letters indi	0	en class by Student's t-test. Differe ces (P<.05) between soil nitrogen ent's t-test.
Soil Moisture (% wet weight)	Nitrogen Concentation (ppm) 1,000 10,000	
2	$8.3\pm1.5~\text{aA}$	9.7 ± 1.5 aA
7	$9.7\pm2.1\ aA$	$15.7 \pm 1.2 \text{ bB}$
12	$15.3\pm2.1bA$	$24.3\pm2.5~cB$

	Presenting	Results Pract	ice: Example 2
Tal	ole 2. The response of flo	wer production (numb	er of flowers per plant) in
	<i>Rubus spectabilis</i> to vary	ing soil moisture and i	nitrogen concentration.
1	Means (n=3) are shown :	± 1 SD. Different lower	case letters indicate
:	significant differences (P	<.05) among soil mois	ture levels within each
1	nitrogen class by Student	t's t-test. Different upp	ercase letters indicate
	significant differences (P soil moisture level by Stu		rogen classes within each
1223	il Moisture wet weight)	Nitrogen Concenta 1,000	ation (ppm) 10,000
	2	8.3 ± 1.5 a A	<mark>9.7</mark> ± 1.5 <mark>a</mark> A
	7	9.7 ± 2.1 a A	15.7 ± 1.2 b B
	12	15.3 ± 2.1 b A	<mark>24.3</mark> ± 2.5 <mark>c</mark> B
-			

Table 2. The response	e of flower production (n	umber of flowers per plant) in
	•	nd nitrogen concentration.
Means (n=3) are sl	hown ± 1 SD. Different lo	wercase letters indicate
significant differen	ices (P<.05) among soil n	noisture levels within each
nitrogen class by S	tudent's t-test. Different	uppercase letters indicate
significant differen	ices (P<.05) between soil	nitrogen classes within each
soil moisture level	by Student's t-test.	
Soil Moisture	Nitrogen Conc 1,000	entation (ppm) 10,000
(% wet weight)		
(% wet weight)	8.3 ± 1.5 a A	9.7 ± 1.5 a A
- 01	$8.3 \pm 1.5 \text{ a A}$ $9.7 \pm 2.1 \text{ a A}$	9.7 ± 1.5 a A

Inte	rpreting Results	Practice: Examp	ole 2
spectabilis to va ± 1 SD. Differen moisture levels letters indicate s	nse of flower production (nur rying soil moisture and nitro t lowercase letters indicate sij within each nitrogen class by significant differences (P<.05) el by Student's t-test.	gen concentration. Means gnificant differences (P<.0 Student's t-test. Different	(n=3) are shown 5) among soil uppercase
Soil Moisture (% wet weight)		centation (ppm) 10,000	
2	$8.3 \pm 1.5 \text{ aA}$	$9.7 \pm 1.5 \text{ aA}$	
7	$9.7 \pm 2.1 \text{ aA}$	$15.7 \pm 1.2 \text{ bB}$	
12	$15.3\pm2.1~bA$	$24.3\pm2.5\ cB$	
Moisture:	Salmonberry flowering is get though it is more sensitive to		
<u>Nitrogen:</u>	Salmonberry flowering is en moderate to high levels of so		though only at
	rtainly an interactive e f one independent varial other independ	ble depends upon the	

