

In [1]:

```
import pandas as pd
```

In [20]:

```
test_1 = pd.read_csv('Q9_a.csv')
test_1
```

Out[20]:

	Index	speed	dist
0	1	4	2
1	2	4	10
2	3	7	4
3	4	7	22
4	5	8	16
5	6	9	10
6	7	10	18
7	8	10	26
8	9	10	34
9	10	11	17
10	11	11	28
11	12	12	14
12	13	12	20
13	14	12	24
14	15	12	28
15	16	13	26
16	17	13	34
17	18	13	34
18	19	13	46
19	20	14	26
20	21	14	36
21	22	14	60
22	23	14	80
23	24	15	20
24	25	15	26
25	26	15	54
26	27	16	32
27	28	16	40
28	29	17	32
29	30	17	40
30	31	17	50
31	32	18	42
32	33	18	56
33	34	18	76

	Index	speed	dist
<b>34</b>	35	18	84
<b>35</b>	36	19	36
<b>36</b>	37	19	46
<b>37</b>	38	19	68
<b>38</b>	39	20	32
<b>39</b>	40	20	48
<b>40</b>	41	20	52
<b>41</b>	42	20	56
<b>42</b>	43	20	64
<b>43</b>	44	22	66
<b>44</b>	45	23	54
<b>45</b>	46	24	70
<b>46</b>	47	24	92
<b>47</b>	48	24	93
<b>48</b>	49	24	120
<b>49</b>	50	25	85

In [21]:

```
test_1.speed.skew()
```

Out[21]:

```
-0.11750986144663393
```

In [22]:

```
test_1.dist.skew()
```

Out[22]:

```
0.8068949601674215
```

In [23]:

```
test_1.speed.kurtosis()
```

Out[23]:

```
-0.5089944204057617
```

In [24]:

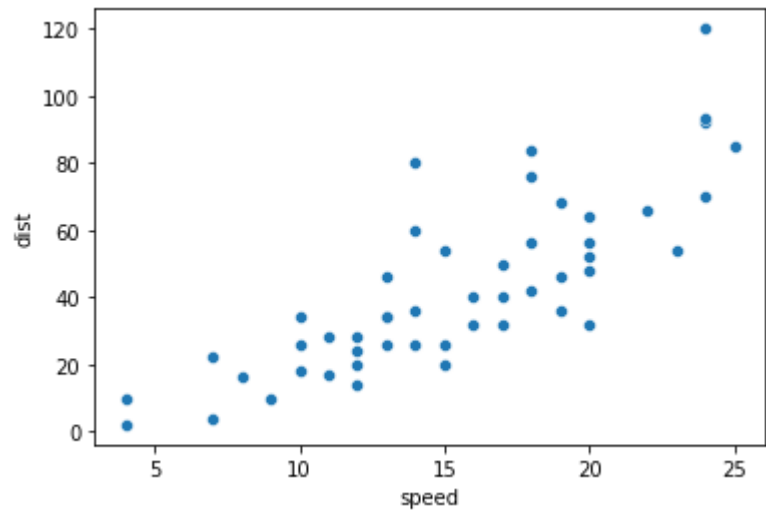
```
test_1.dist.kurtosis()
```

Out[24]:

```
0.4050525816795765
```

In [25]:

```
sn.scatterplot(x='speed',y='dist',data=test_1)
plt.show()
```



In [27]:

```
test_2 = pd.read_csv('Q9_b.csv')
test_2
```

Out[27]:

	Unnamed: 0	SP	WT
0	1	104.185353	28.762059
1	2	105.461264	30.466833
2	3	105.461264	30.193597
3	4	113.461264	30.632114
4	5	104.461264	29.889149
...	...	...	...
76	77	169.598513	16.132947
77	78	150.576579	37.923113
78	79	151.598513	15.769625
79	80	167.944460	39.423099
80	81	139.840817	34.948615

81 rows × 3 columns

In [29]:

```
test_2.SP.skew()
```

Out[29]:

1.6114501961773586

In [30]:

```
test_2.SP.kurtosis()
```

Out[30]:

2.9773289437871835

In [31]:

```
test_2.WT.skew()
```

Out[31]:

-0.6147533255357768

In [32]:

```
test_2.WT.kurtosis()
```

Out[32]:

0.9502914910300326

In [33]:

```
sn.scatterplot(x='WT',y='SP',data=test_2)  
plt.show()
```

