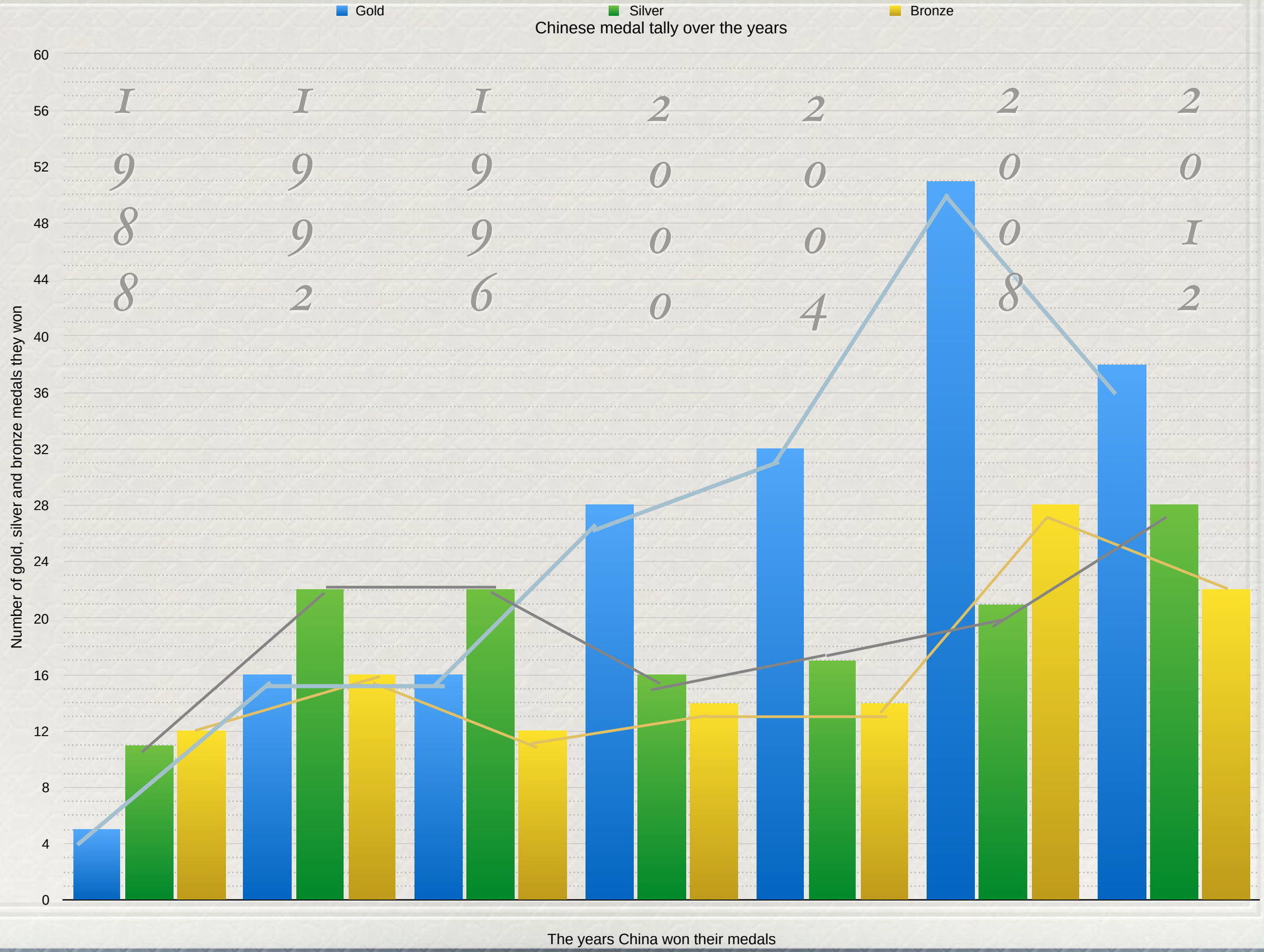
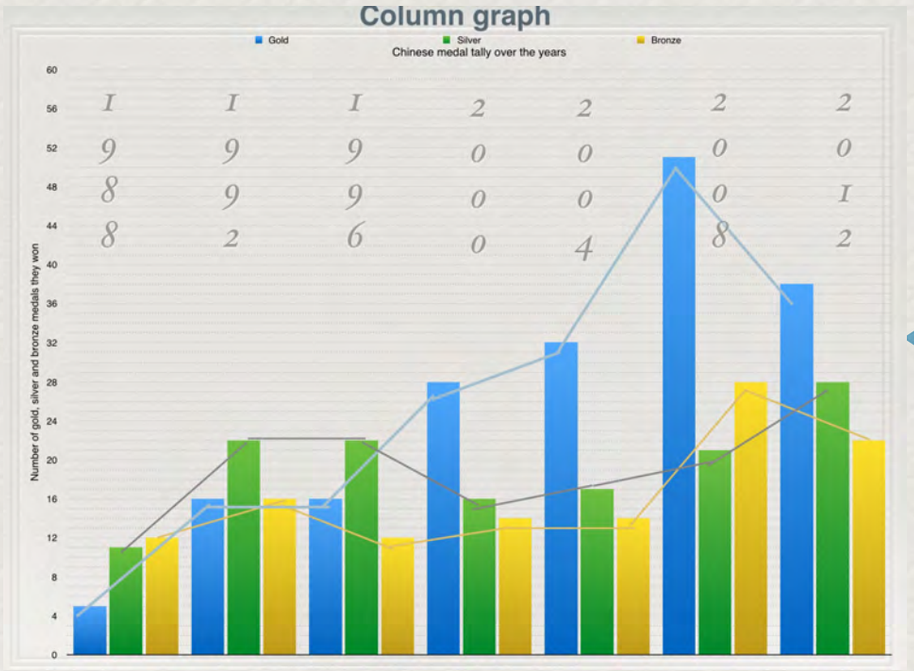
Olympic averages

China

Column graph



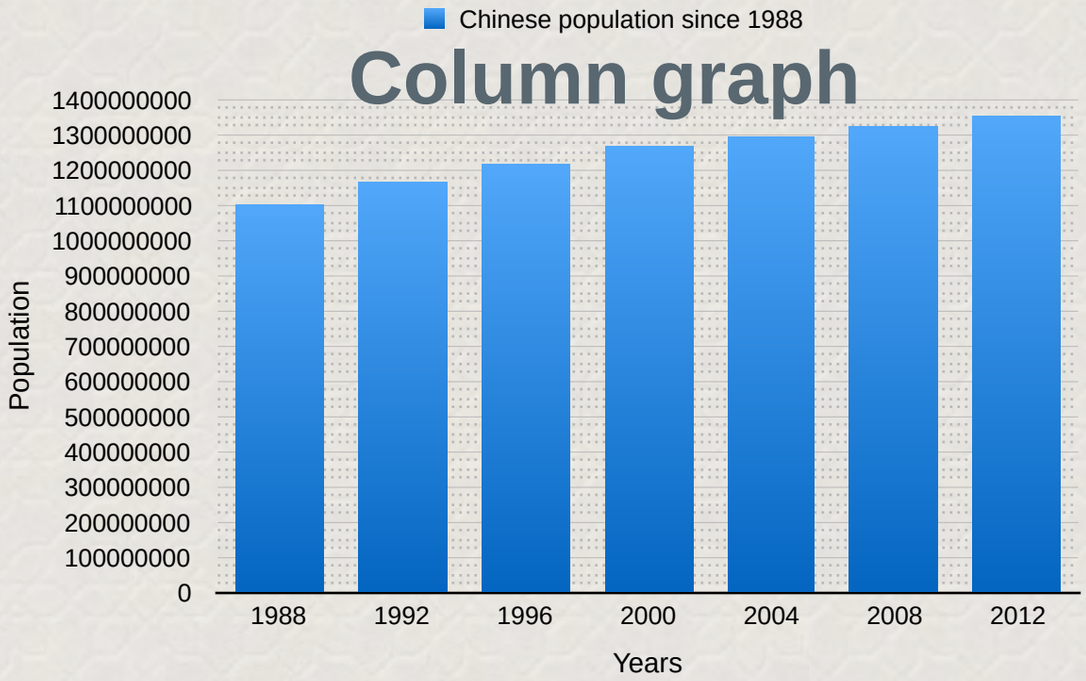
Previous chart



You can see this column chart (histogram) is a positively skewed chart, there is an outlier in this chart (2008) this is probably here because that year China hosted the Olympic Games. Over the years this chart is slowly but surely increasing.

Column graph

Why they have gotten better



Since 1988 the Chinese population has grown by 249 million and with a bigger population China is more likely to produce more athletes, which generally leads to more medals.

In 1988 China really started to develop there sporting program, in this year China spent 26 million dollars on Olympic training facilities and 20 years later China had spent 44 billion dollars in Olympic sporting equipment, although much of the 44 billion dollars spent was on stadiums for the 2008 Beijing olympics, having said that they still use those stadiums for sporting events today. So money is also another reason why China has been improving over the years.

2008 Beijing olympics

If you didn't already know China held the 2008 Beijing Olympics. This would be a very strong reason why China did there best in 2008. They all preformed at their top level knowing all their families, friends and the whole country is behind them cheering them on.

Mean, Median, Mode and range

Medals

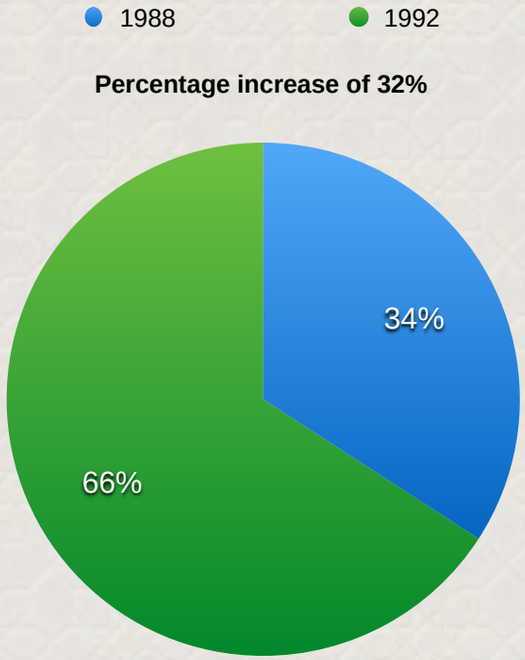
China medal tally per year

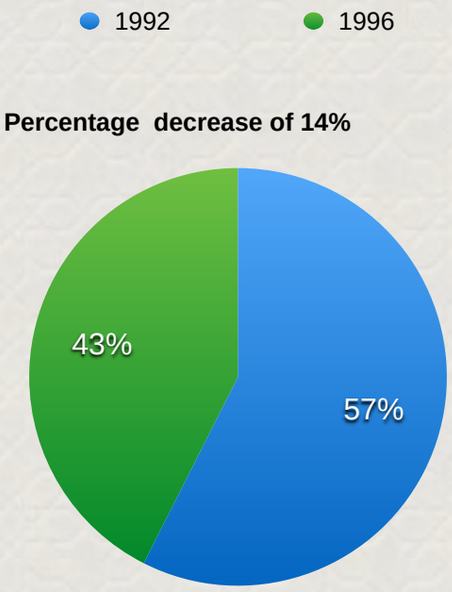
China medal tally per year	Gold	Silver	Bronze	Total
1988	5	11	12	28
1992	16	22	16	54
1996	16	22	12	40
2000	28	16	14	58
2004	32	17	14	63
2008	51	21	28	102
2012	38	28	22	88
Mean	26.56	19.56	16.86	62.98
Median	28	21	14	58
Mode	16	22	14	N/A
Range	46	17	16	74

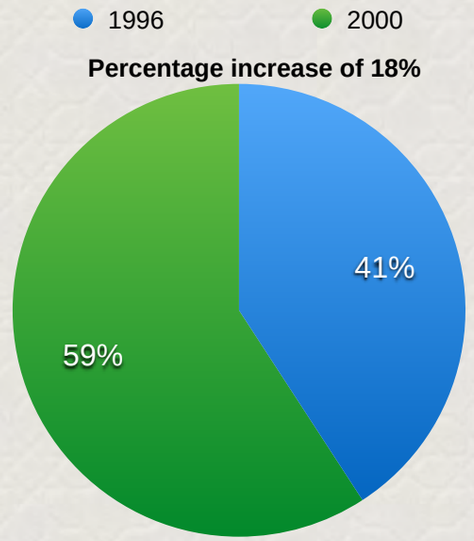
Year / other

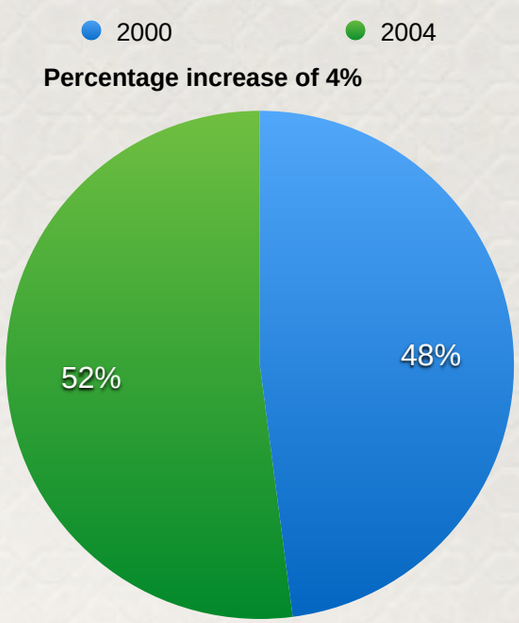
All of these are pie graphs

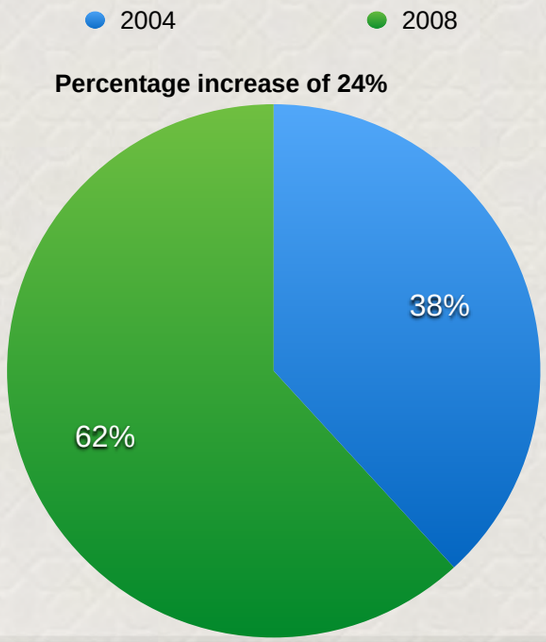
Percentage difference

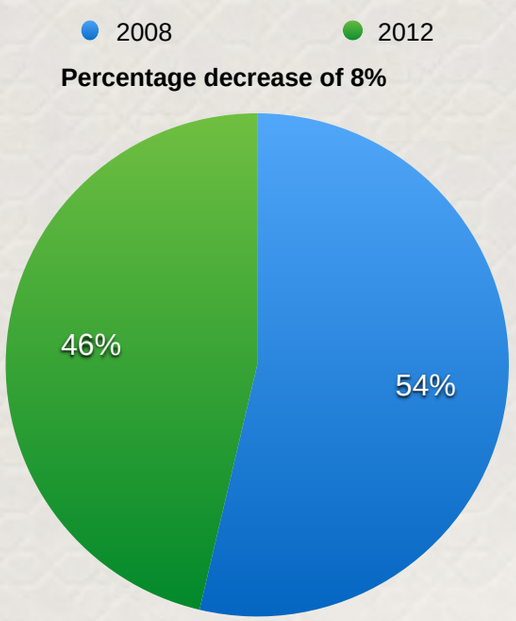


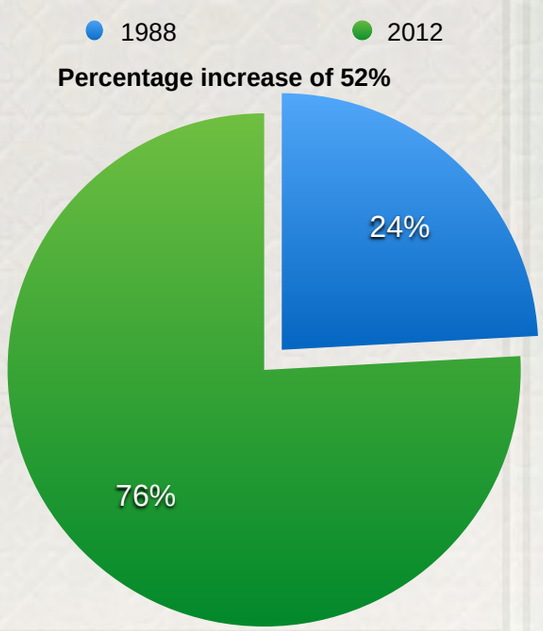






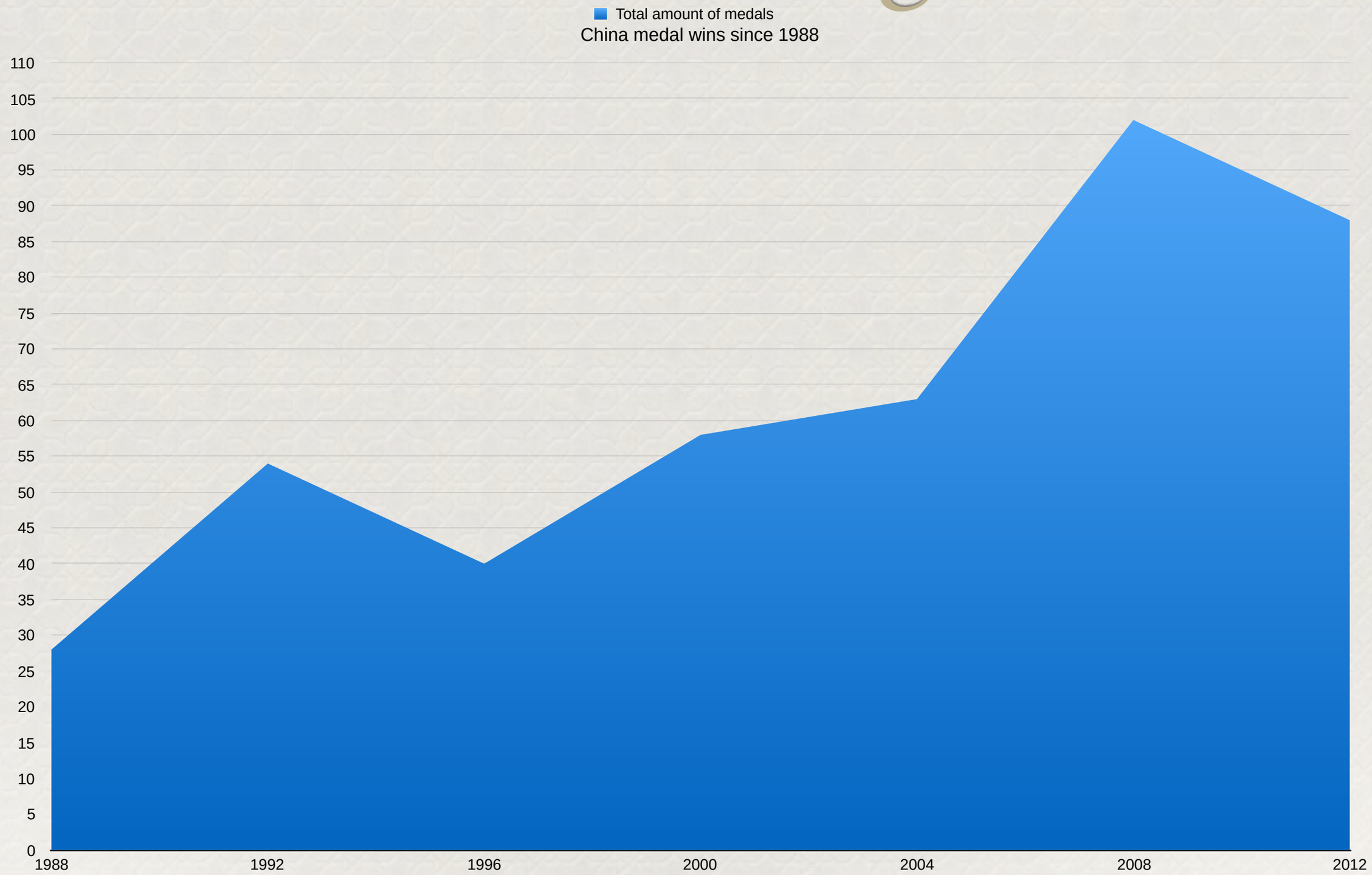






Time series graph

Medal change



My prediction

MY PREDICTION FOR CHINA AT THE NEXT OLYMPICS IS:
GOLD: 36
SILVER: 36
BRONZE:18
TOTAL: 86
I RECKON CHINA IS GOING TO DO A BIT BETTER THIS YEAR BECAUSE THEY DID SO GOOD IN 2008 THEY WON'T BE ABLE TO GET BETTER THAN THAT

Australia

Gold Silver Bronze

Medals Australia has won in the summer olympics since 1988

Column graph

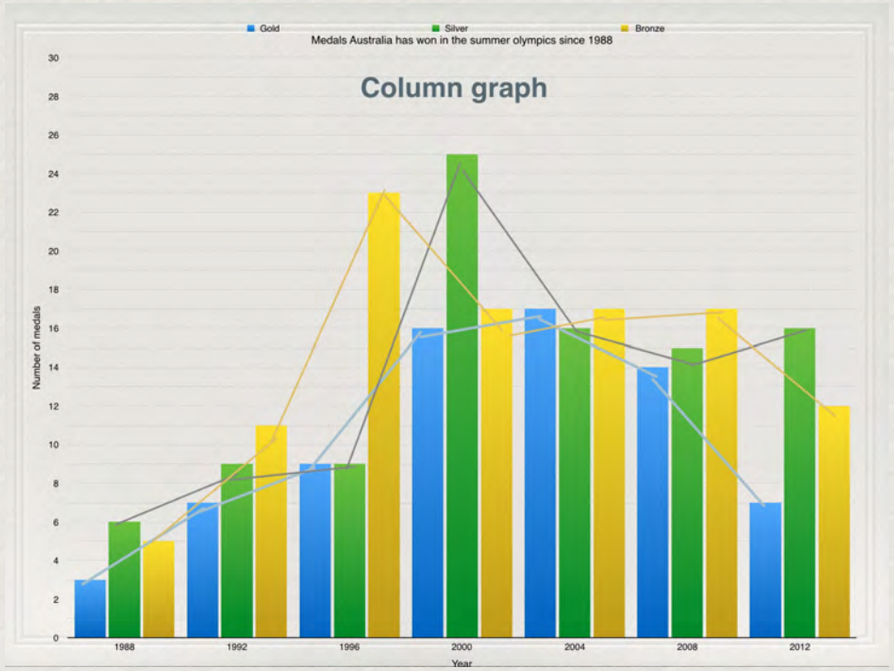
Number of medals

30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0

1988 1992 1996 2000 2004 2008 2012

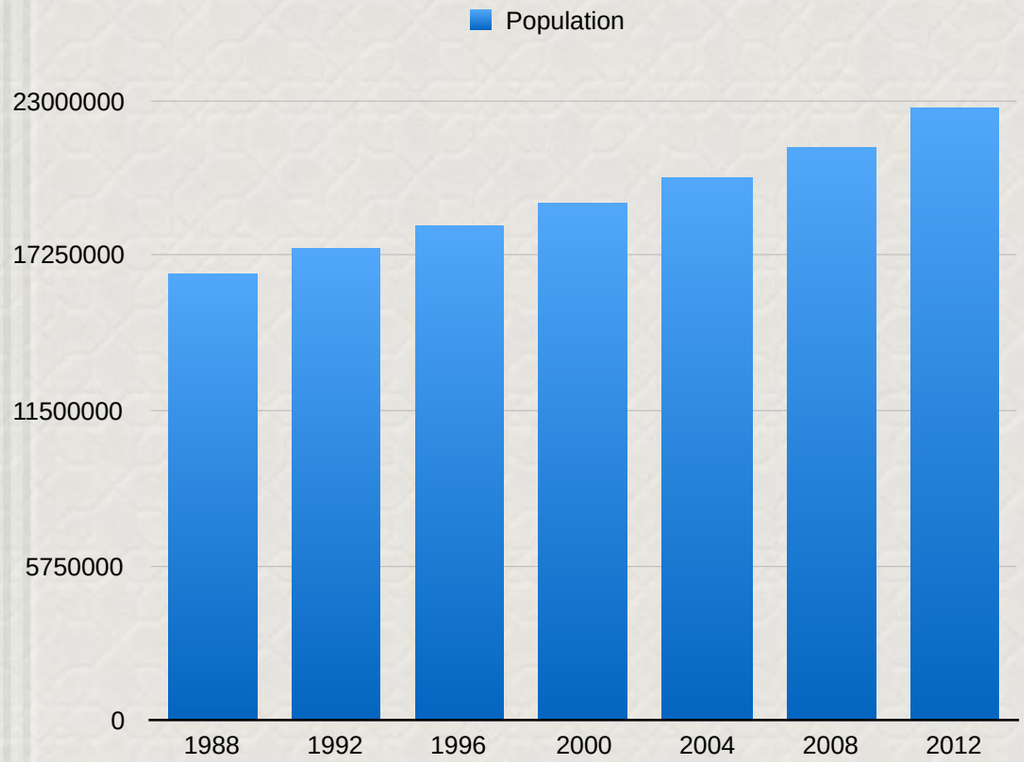
Year

Previous chart



You can see this column chart (histogram) is a positively skewed chart, (although it is close to symmetrical) there is no outlier in this chart but the highest is 2000 and 2004 Australia are going up and down so I'm not sure how they will do next year.

Why they have gotten better



Column graph

Since 1988 the Australia's population has grown by 6.19 million and with a bigger population Australia is more likely to produce more athletes, which will give them more medals. 6.19 million isn't that much but Australia gets 1 medal for ever 48,994 people Australia has. Which is why countries like China really aren't that far ahead of us.

Every year in the olympics Australia seems to win most of their medals in the swimming events, I would say a part of that reason is because we live around water so the Australian government decided to make swimming apart of the Australian curriculum, which is why so many kids decided they love swimming and maybe that's why Australia is so good at the swimming in the Olympic games

I would just like to point out that Australia had a big drop in medals 4 years ago at the 2012 London olympics

2000 Sydney olympics

In the year 2000 Australia held the 2000 Sydney Olympics. This is probably why Australia's best year competing in the Olympics was at Sydney. They all preformed at their top level knowing that all their loved ones along with the whole country are there cheering them on. To host the Olympics is very expensive which is why in that year Australia spent 6.6 billion dollars building all the facilities for the Olympics, when the Olympics was over those facilities were still there and most of them are being used as training facilities today, which give Australia another edge to do well at the next Olympics.

Mean, Median, Mode and range

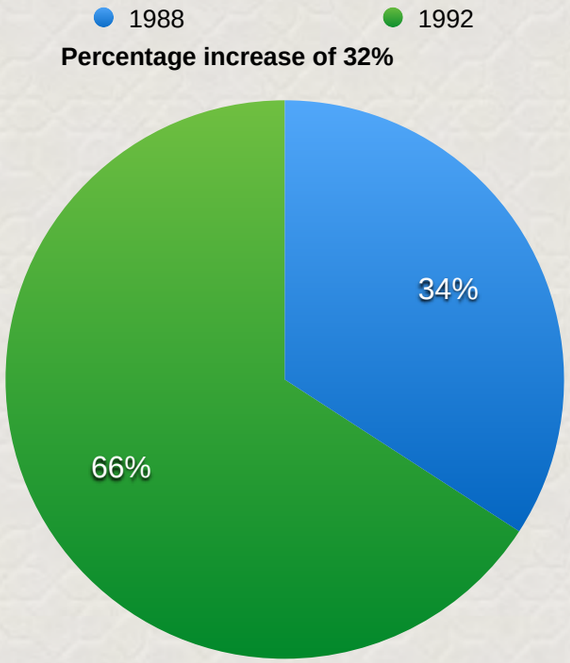
Medals

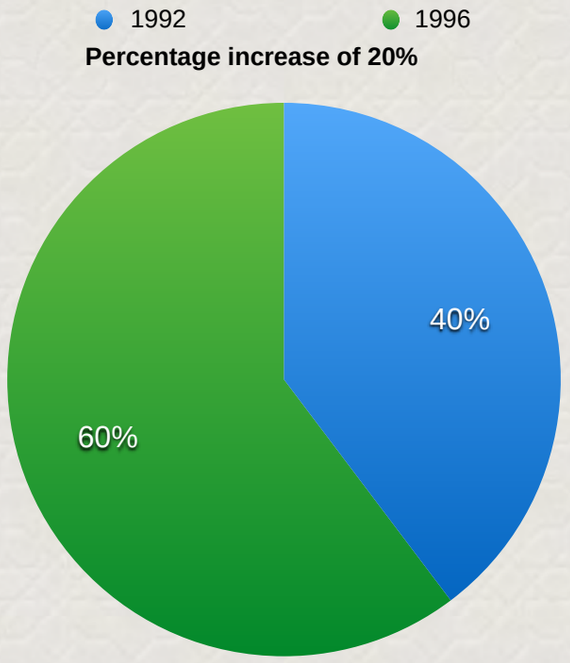
Medals Australia has won in the summer olympics since 2008

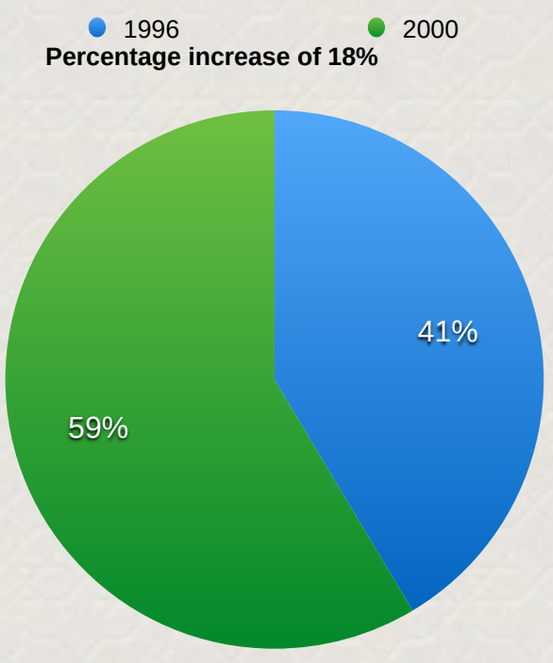
Year / other	Gold	Silver	Bronze	Total
1988	3	6	5	14
1992	7	9	11	27
1996	9	9	23	41
2000	16	25	17	58
2004	17	16	17	50
2008	14	15	17	46
2012	7	16	12	35
Mean	10.43	13.7	14.56	38.06
Median	9	15	17	41
Mode	N/A	9 & 16	17	N/A
Range	14	19	18	44

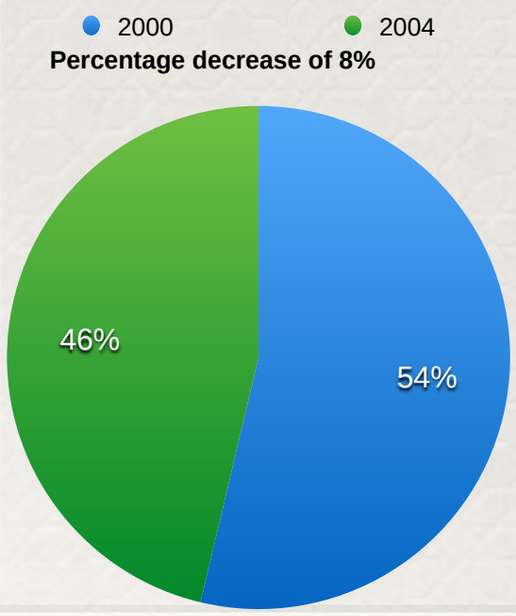
All of these are pie graphs

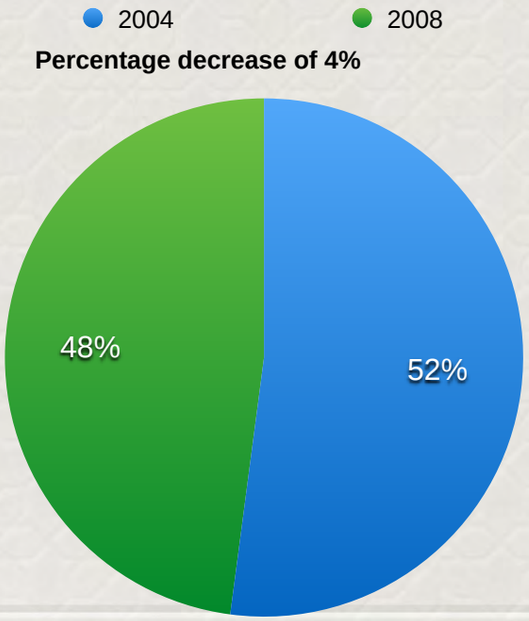
Percentage difference

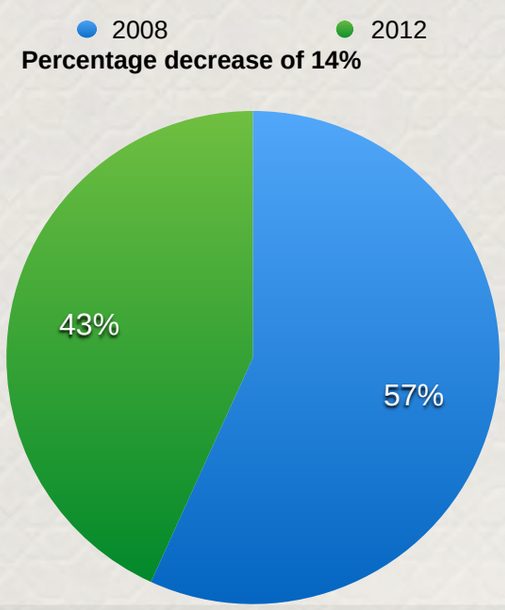


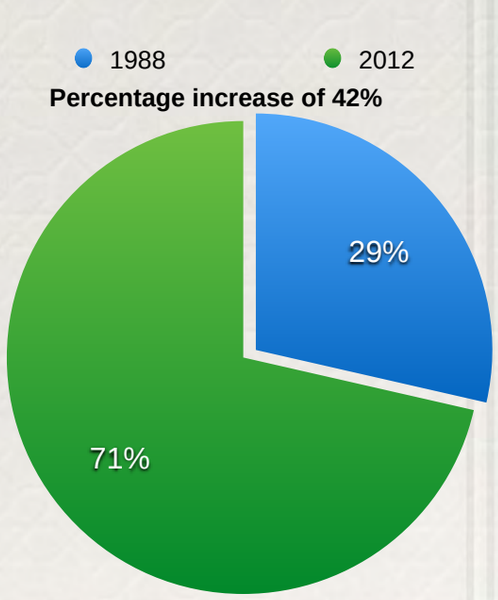






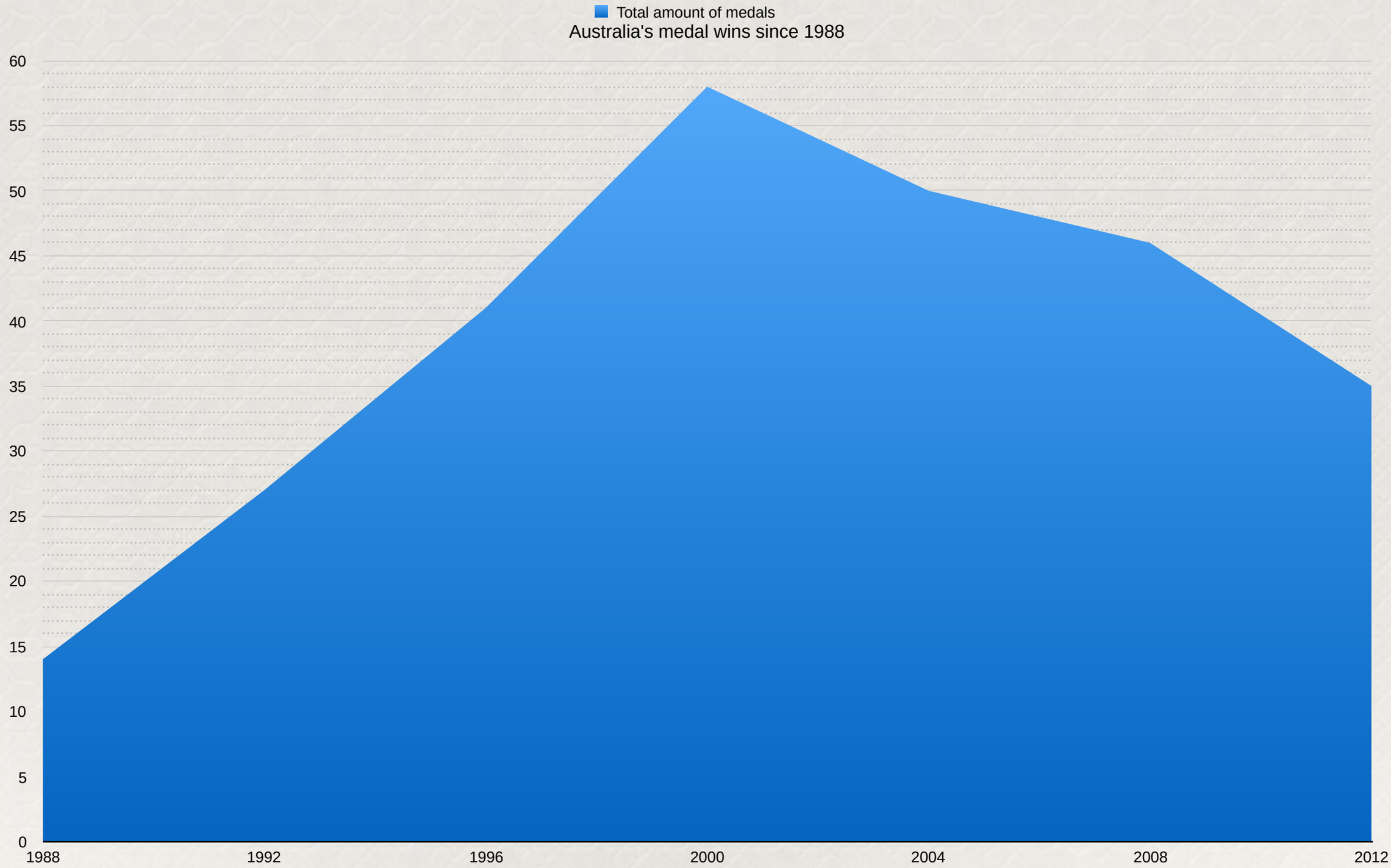






Time series graph

Medal change

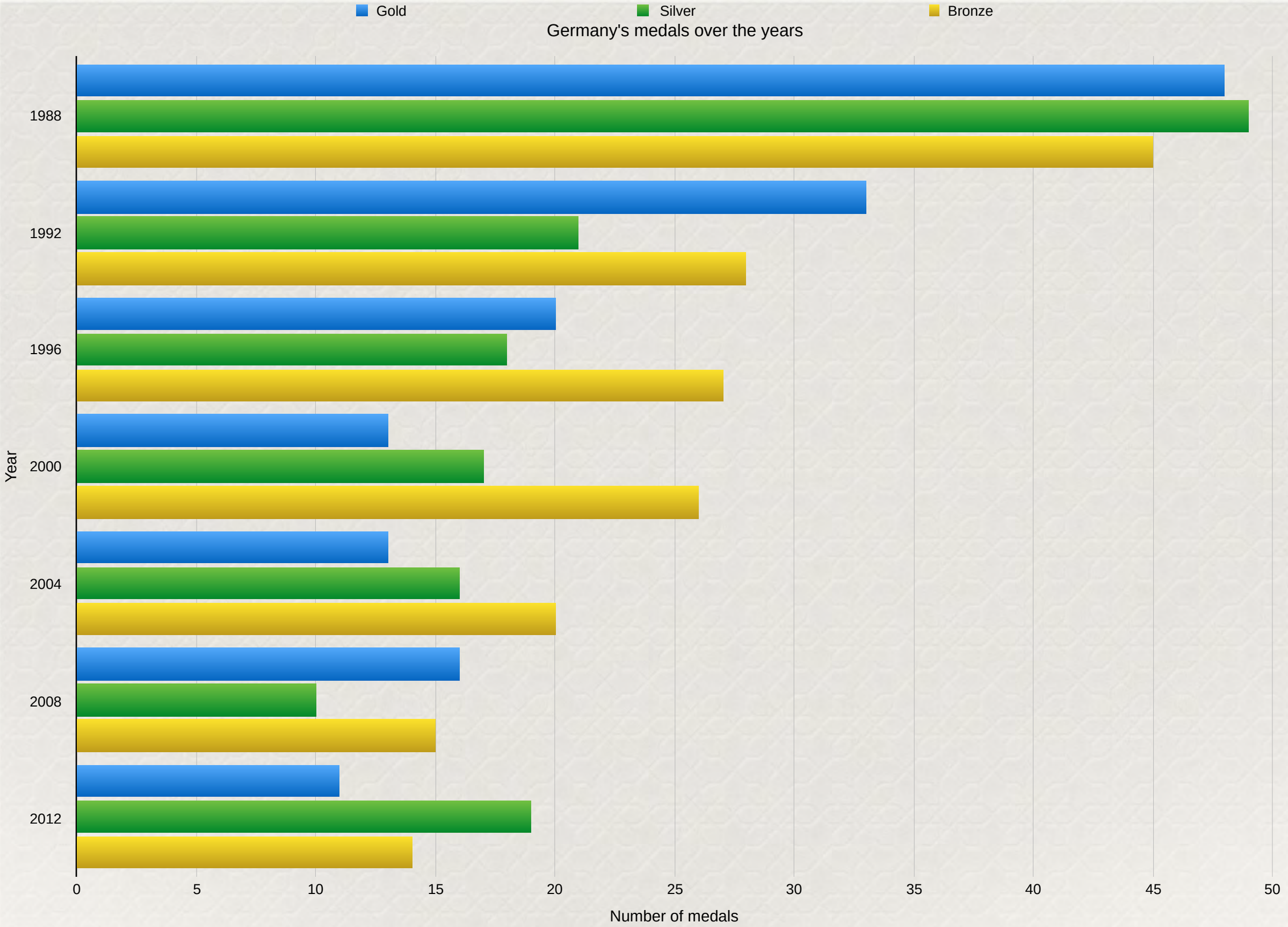


My prediction

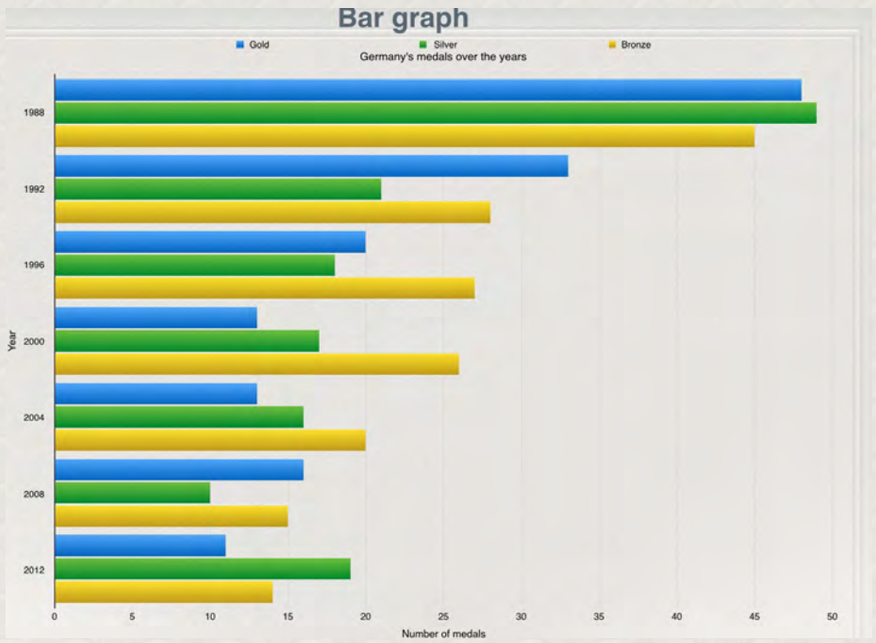
MY PREDICTION FOR AUSTRALIA AT THE NEXT OLYMPICS IS:
GOLD: 16
SILVER: 19
BRONZE: 7
TOTAL: 42
I RECKON AUSTRALIA IS GONNA DO BETTER THIS YEAR BECAUSE THEY ARE USUALLY PRETTY GOOD IT'S JUST THAT LAST YEAR THEY HAD A BAD YEAR SO THIS YEAR THEY WILL BE MORE DETERMINED TO GET MEDALS

Germany

Bar graph


Gold
Silver
Bronze
Germany's medals over the years
1988
1992
1996
2000
2004
2008
2012
Year
0
5
10
15
20
25
30
35
40
45
50
Number of medals

Previous chart

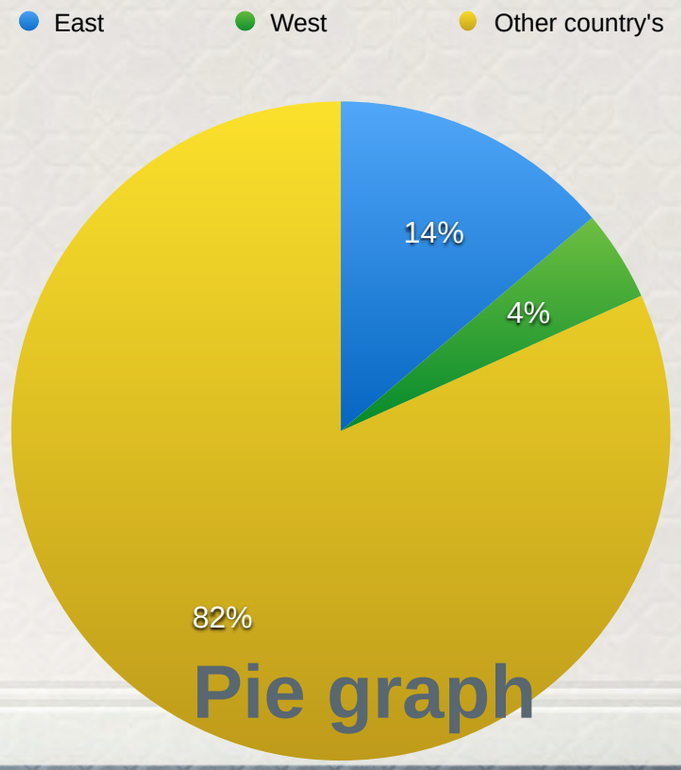


You can see this Bar chart is a negatively skewed chart. The outlier in this chart is the first one on the top which has 60 more medals than the next highest country (probably because of drugs). Germany are on the decline but they are still doing very good.

German drugs

In 1974 East Germany started a program to artificially enhance their athletes athletic abilities by treating their athletes with performance enhancing drugs. This program lasted 15 years from 1974 to the end of communism at 1989.

In the 1988 Seoul Olympics East Germany won a total of 102 medals placing them second in the overall tally, a large number of these medals is possibly due to the drug program East Germany had been conducting since 1974. West Germany that year won a total of 40 medals contributing to Germany's total score of 142 medals that year. However this tally is highly contentious due that many of these medals have been won by drug cheats that didn't deserve to win the medals that they did.



This pie chart illustrates the difference between East and West Germany and all the other country's in the Olympics. In this pie chart you can see that East Germany won 14% of all medals Because they used drugs

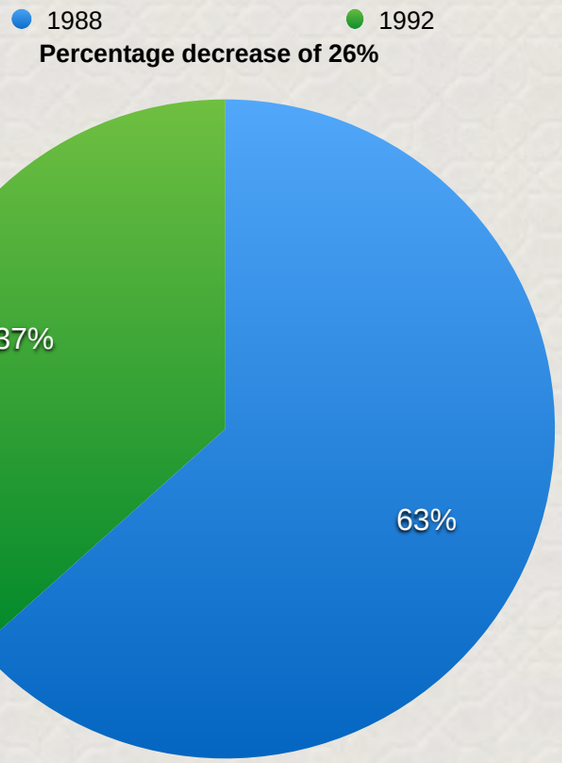
Mean, Median, Mode and range

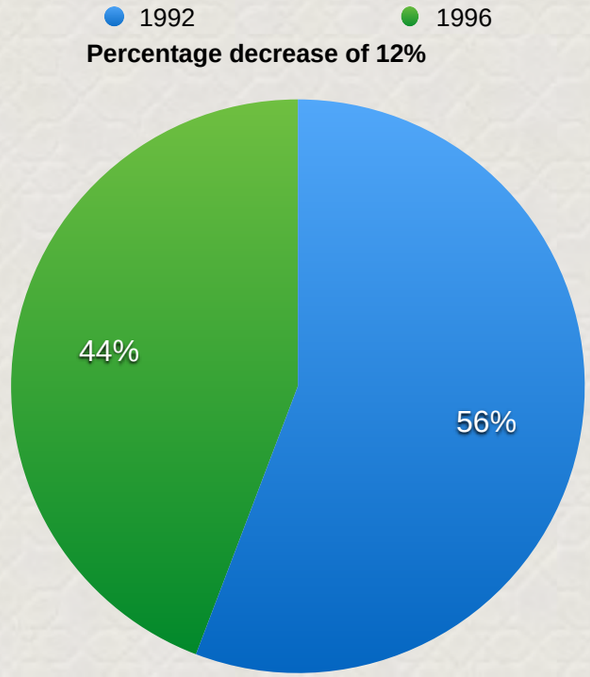
How many medals Germany have won since 1988

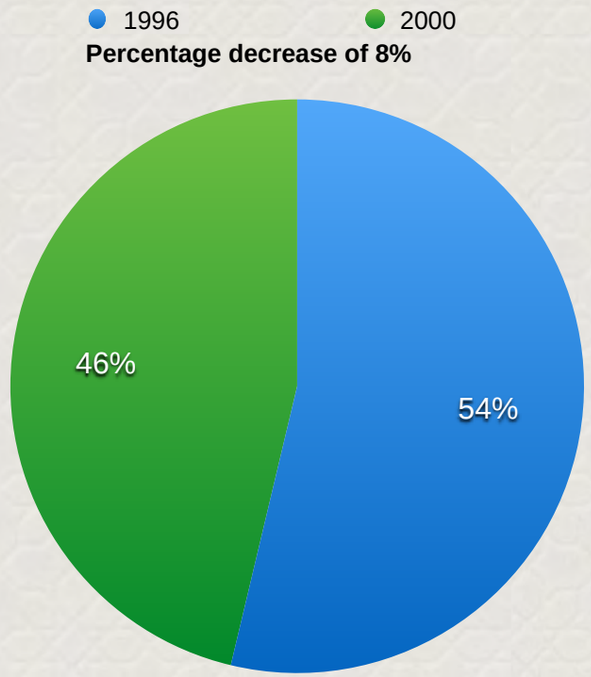
	Gold	Silver	Bronze	Total
1988	48	49	45	142
1992	33	21	28	82
1996	20	18	27	65
2000	13	17	26	56
2004	13	16	20	49
2008	16	10	15	41
2012	11	19	14	44
Mean	22	21.41	25.43	68.84
Median	16	19	26	56
Mode	13	N/A	N/A	N/A
Range	37 .	39 .	39. .	101. .

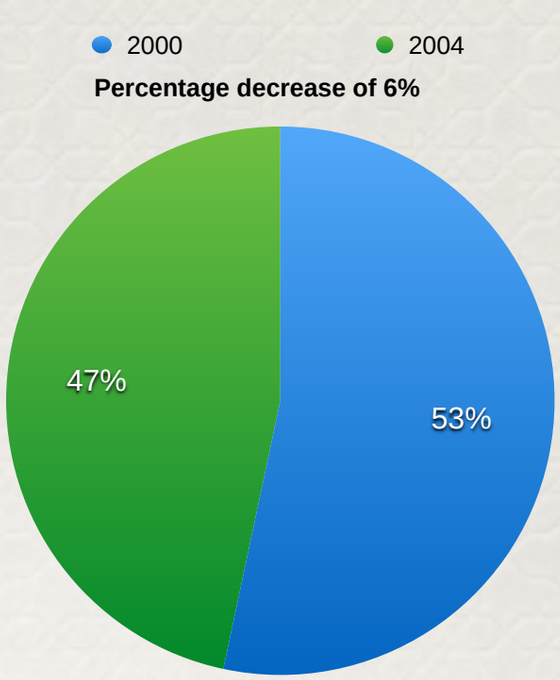
All of these are pie graphs

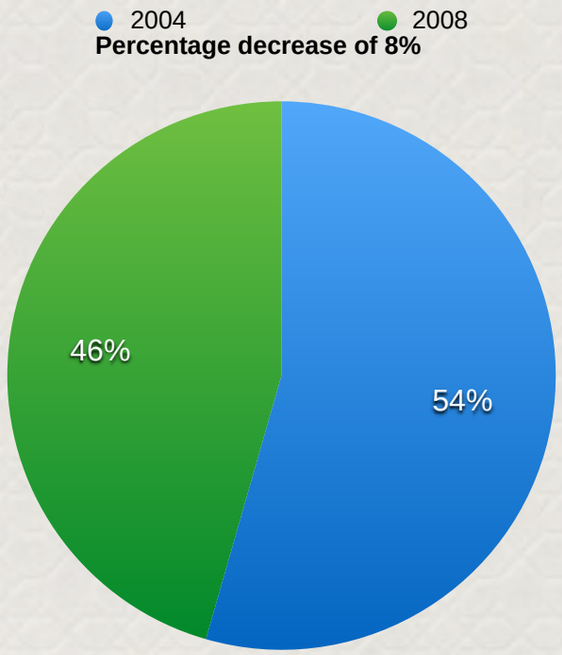
Percentage difference

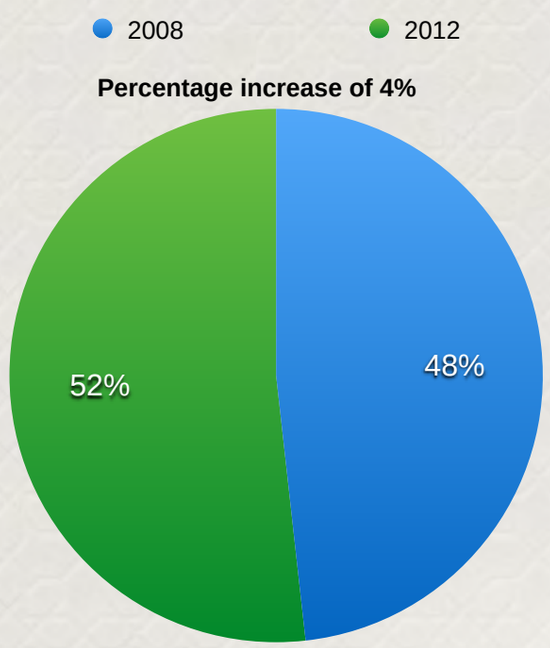


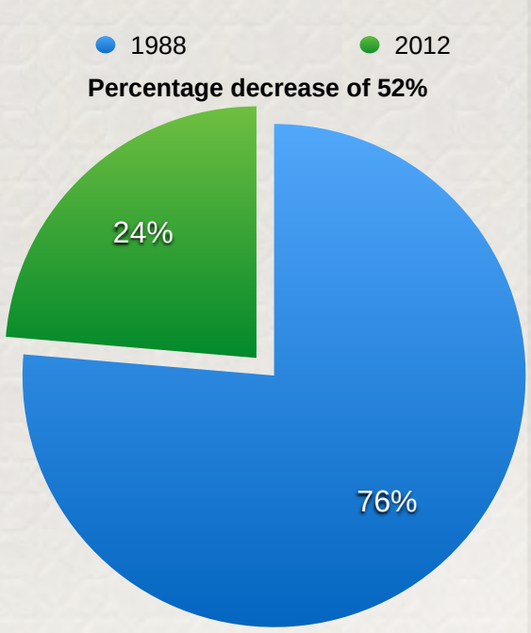






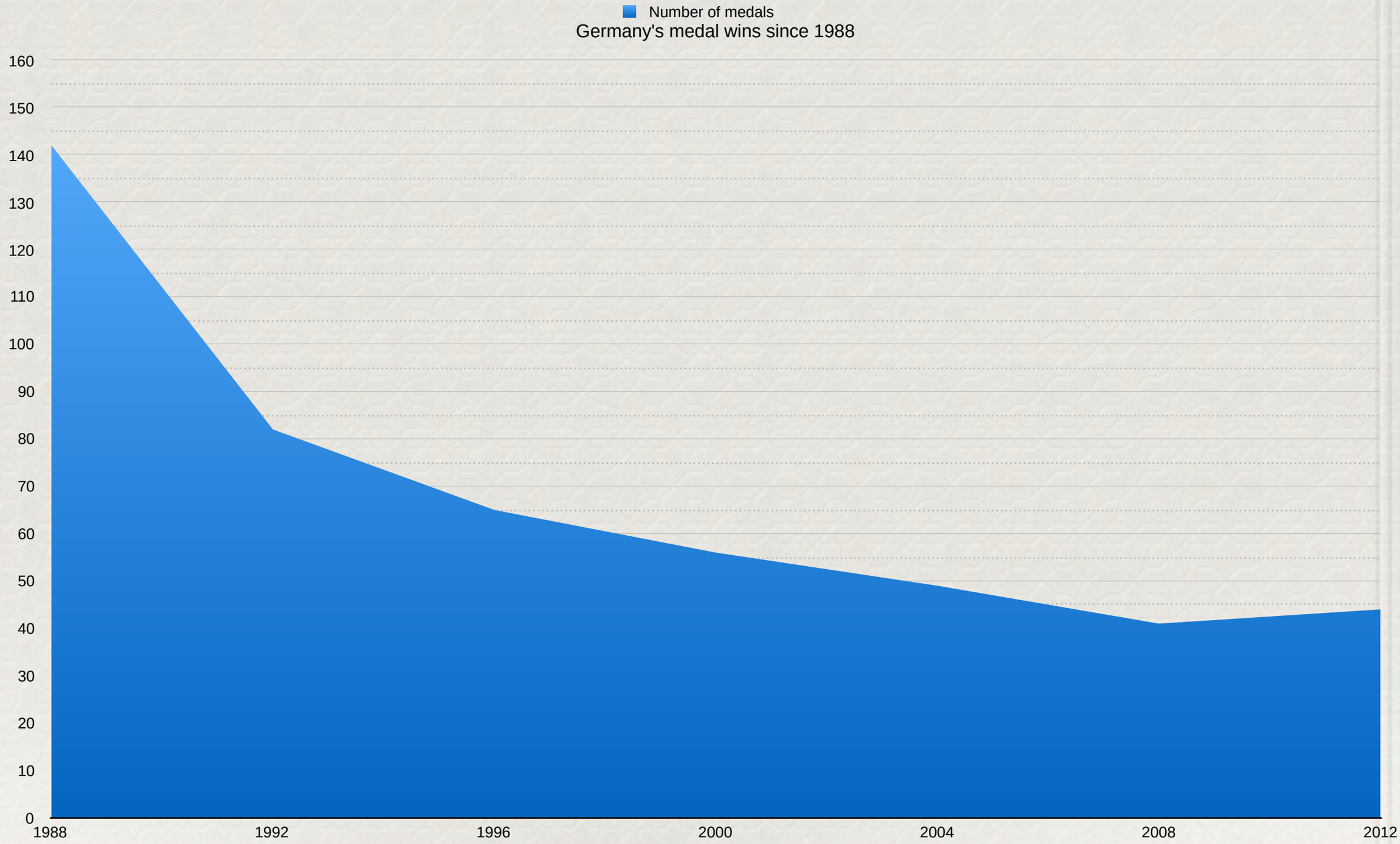






Time series graph

Medal change



My prediction

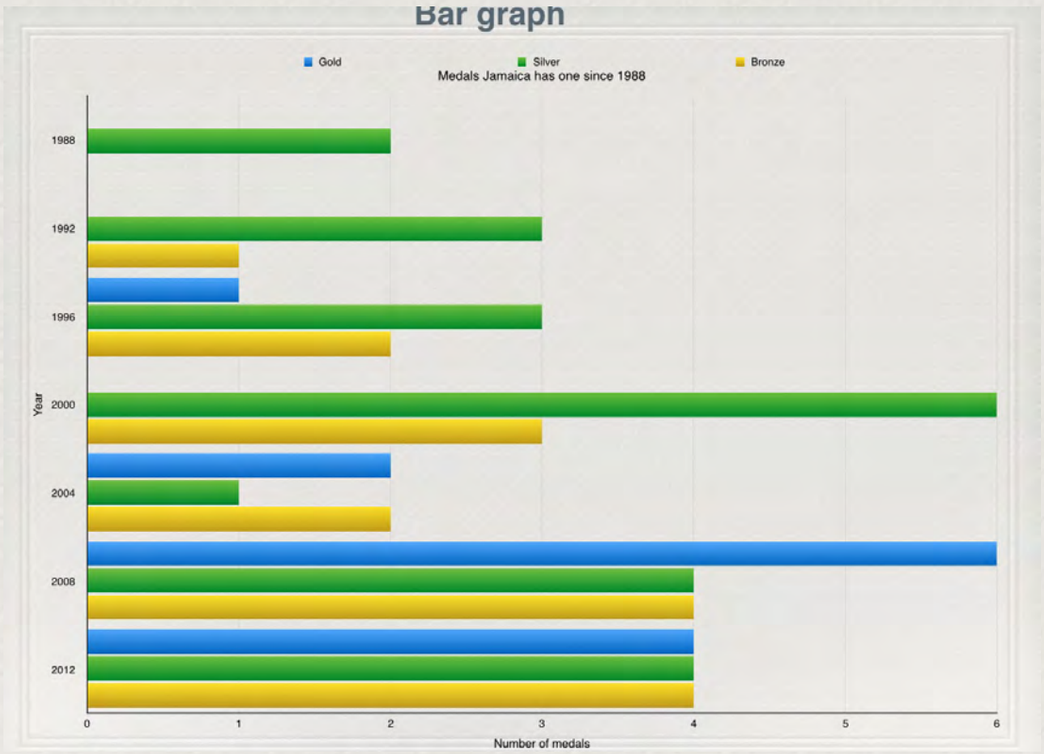
MY PREDICTION FOR GERMANY AT THE NEXT OLYMPICS IS:
GOLD: 12
SILVER: 16
BRONZE: 14
TOTAL: 42
I RECKON GERMANY IS GOING TO DO A LITTLE BETTER BECAUSE THE PAST YEARS THEY'VE BEEN GOING DOWN BUT IN 2012 THEY GOT A LITTLE BETTER SO I THINK THEY'LL DO A LITTLE BETTER AGAIN

Jamaica

Bar graph

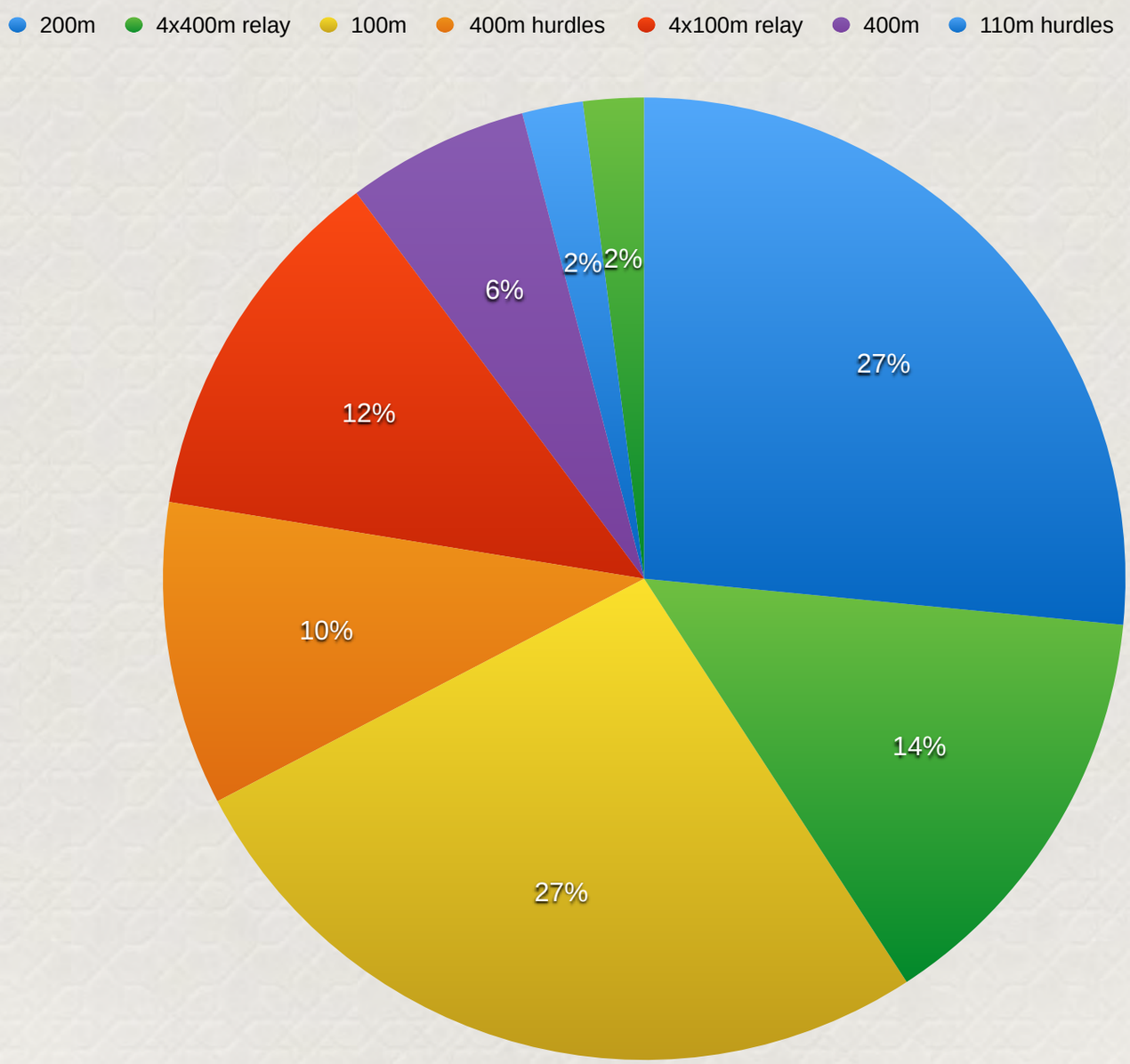
Gold
Silver
Bronze
Medals Jamaica has one since 1988
1988
1992
1996
2000
2004
2008
2012
Year
0
1
2
3
4
5
6
Number of medals

Previous chart



You can see this Bar chart is a positively skewed chart. There is no outlier in this chart but they did the best in 2008. Jamaica is getting better but had a slight dip in 2012.

Were Jamaica are getting there medals



Pie graph

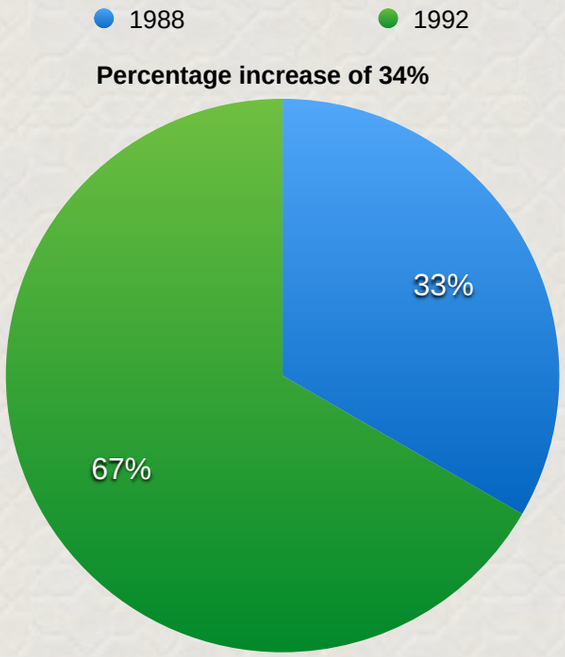
Mean, Median, Mode and range

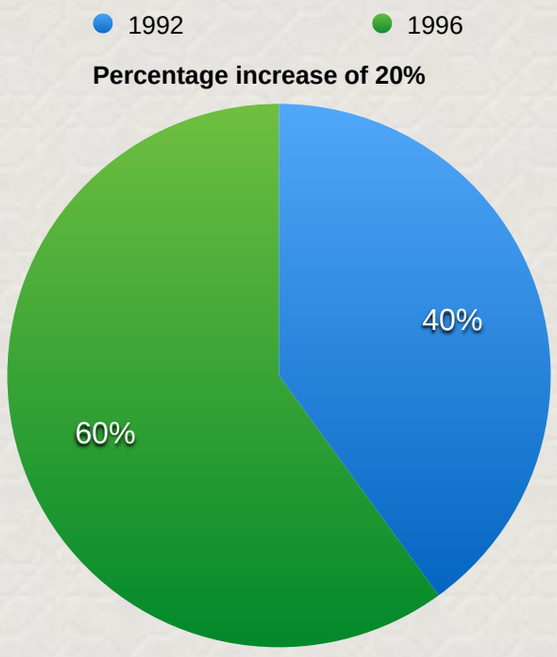
How many medals Jamaica have won since 1988

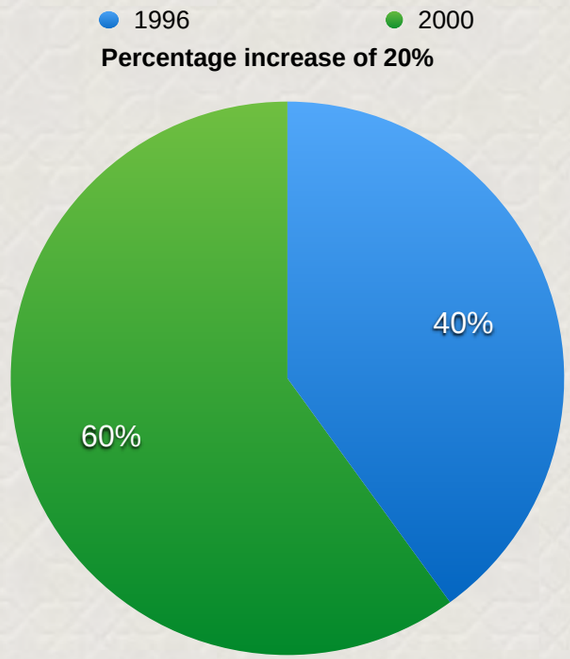
	Gold	Silver	Bronze	Total
1988	0	2	0	2
1992	0	3	1	4
1996	1	3	2	6
2000	0	6	3	9
2004	2	1	2	5
2008	6	4	4	14
2012	4	4	4	12
Mean	1.86	3.29	2.29	7.44
Median	1	3	2	6
Mode	0	3 & 4	2 & 4	N/A
Range	6	5	4	

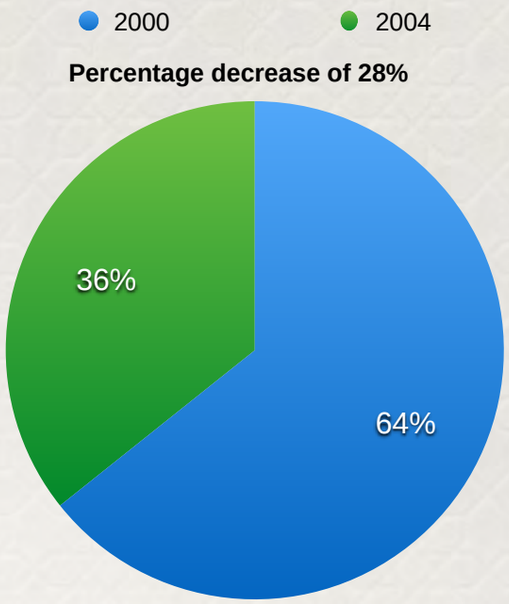
All of these are pie graphs

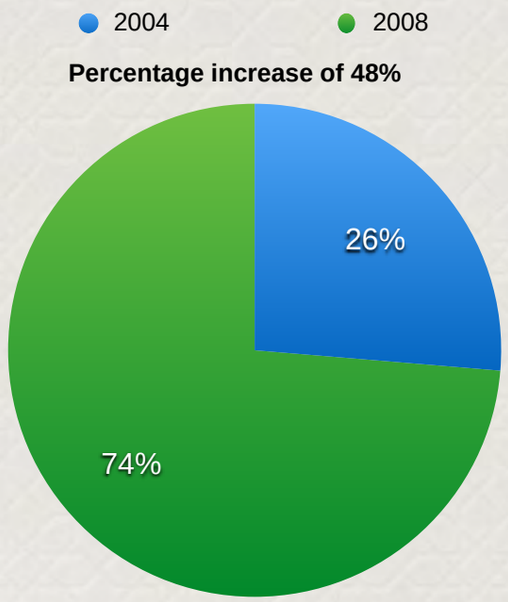
Percentage difference

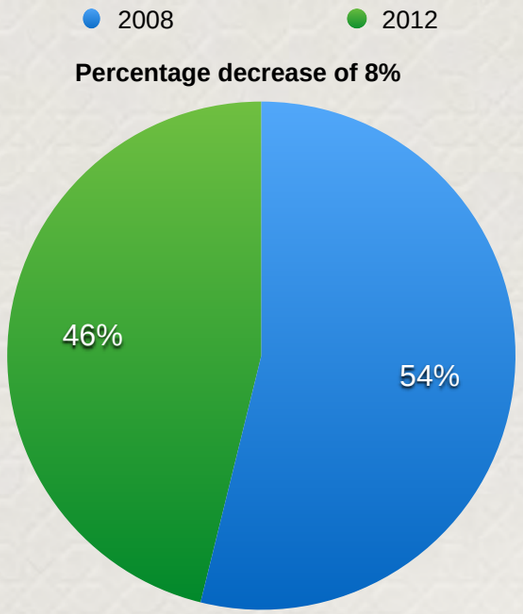


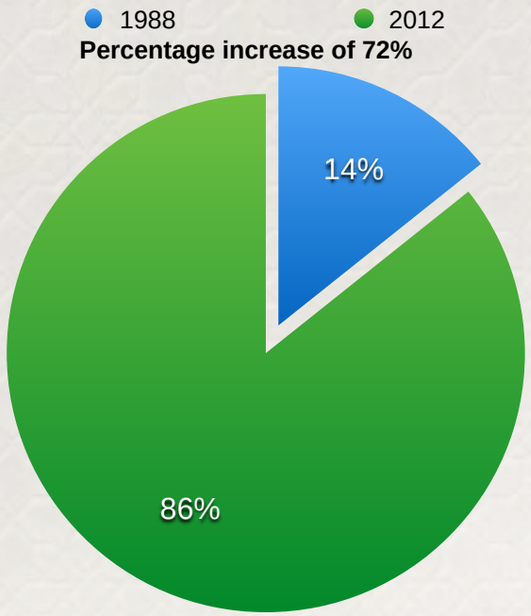






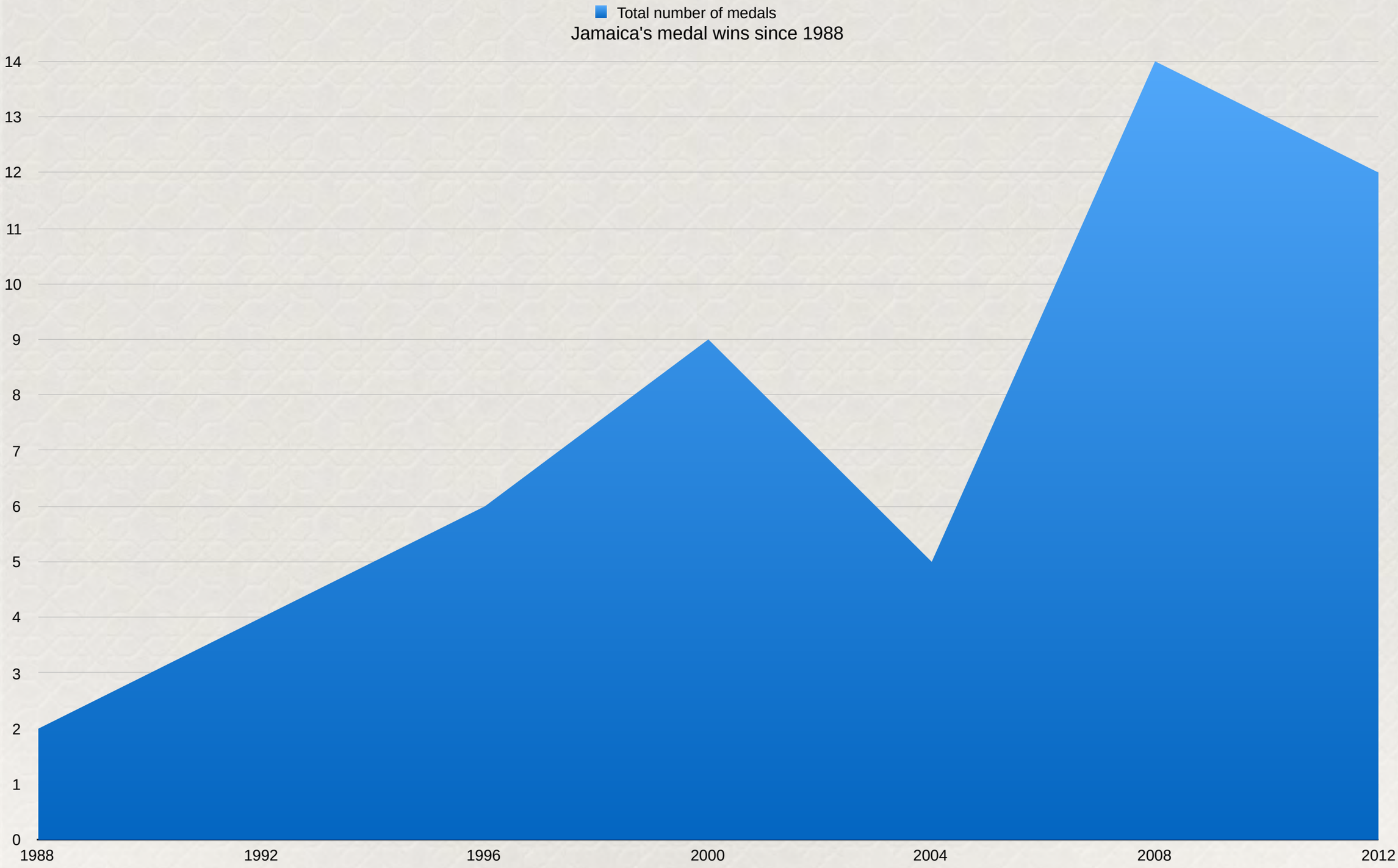






Time series graph

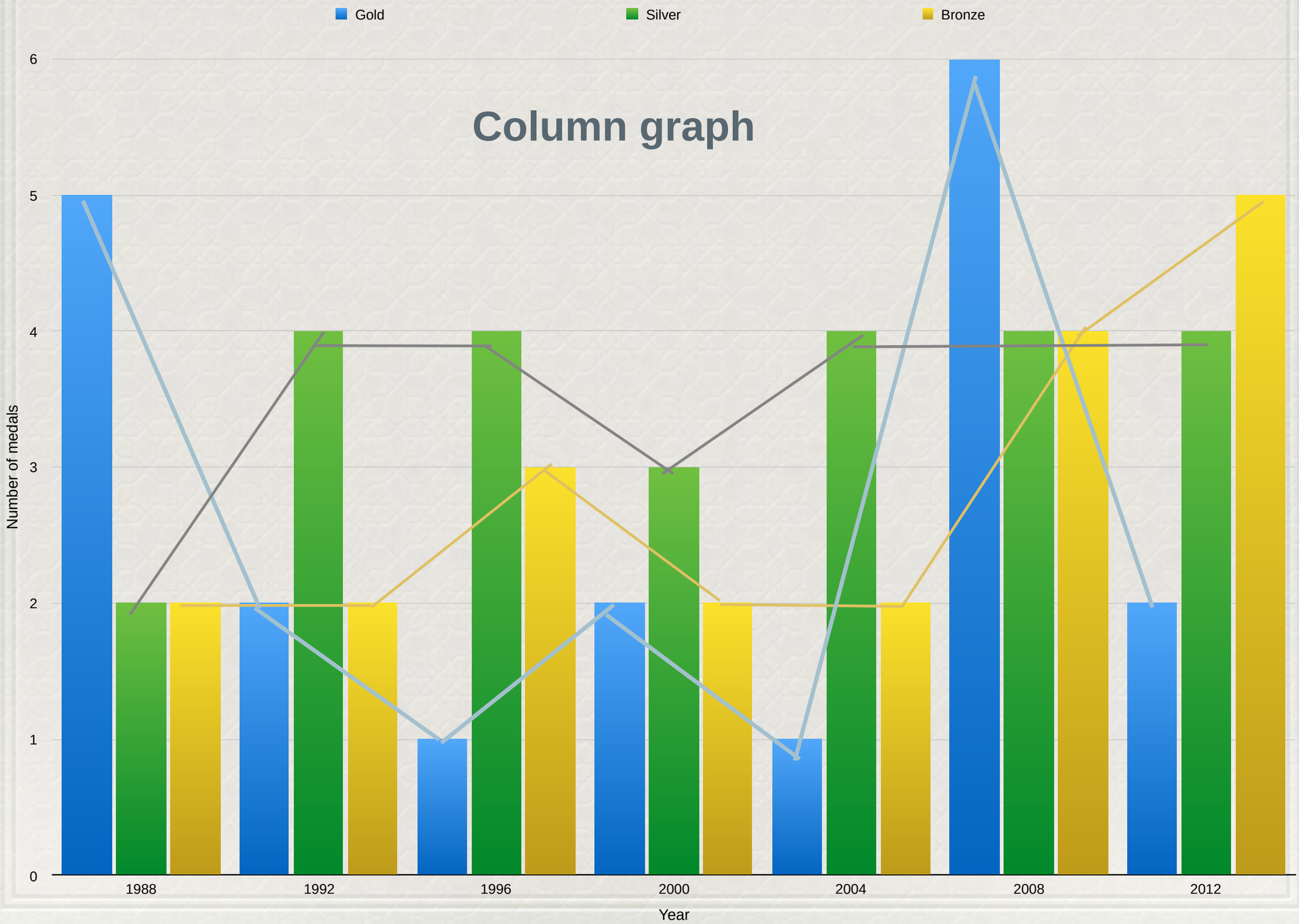
Medal change



My prediction

MY PREDICTION FOR JAMAICA AT THE NEXT OLYMPICS IS:
GOLD: 6
SILVER: 4
BRONZE:6
TOTAL: 16
I RECKON JAMAICA ARE GOING TO DO BETTER NEXT YEAR BECAUSE USAIN BOLT WILL GET HIS USUAL 3 AND THEN THEY'LL PROBALY PICK UP SOME MORE ALONG THE WAY

Kenya


Gold
Silver
Bronze
Column graph
6
5
4
3
2
1
0
Number of medals
1988
1992
1996
2000
2004
2008
2012
Year

Previous chart

You can see this column chart (histogram) is a positively skewed chart (close to symmetrical). There is no outlier in this chart but they did the best in 2008. Kenya is very inconsistent and it's hard to judge if there gonna do well or not.

Where Kenya are getting there medals

Why Kenyans are such good runners

As you may have seen in my last chart (dot plot) most of Kenya's medals come from long distance running, this is because of genetics in west Kenya (were most of their runners come from) scientists ran a test were they trained random men and women for marathon running and in just a few months training they proved to be better than most of the "Wests" professional runners.

http://www.theatlantic.com/international/archive/2012/04/why-kenyans-make-such-great-runners-a-story-of-genes-and-cultures/256015/

Very interesting website on why Kenyans are good runner

Mean, Median, Mode and range

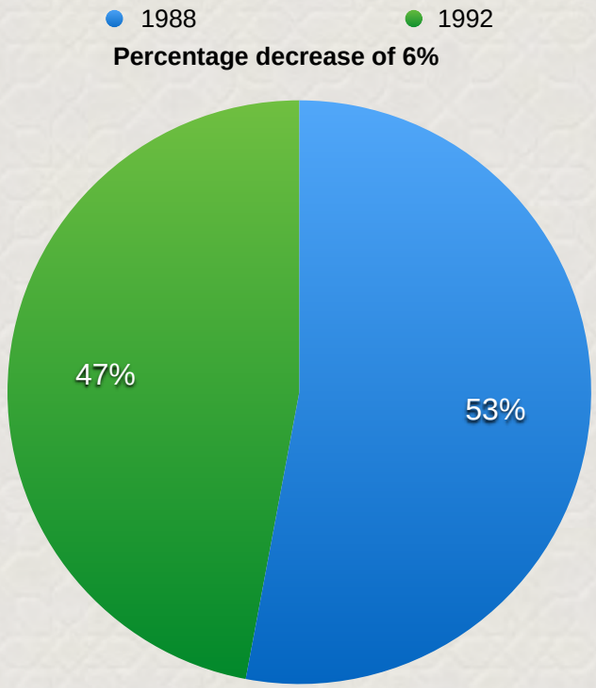
Medals

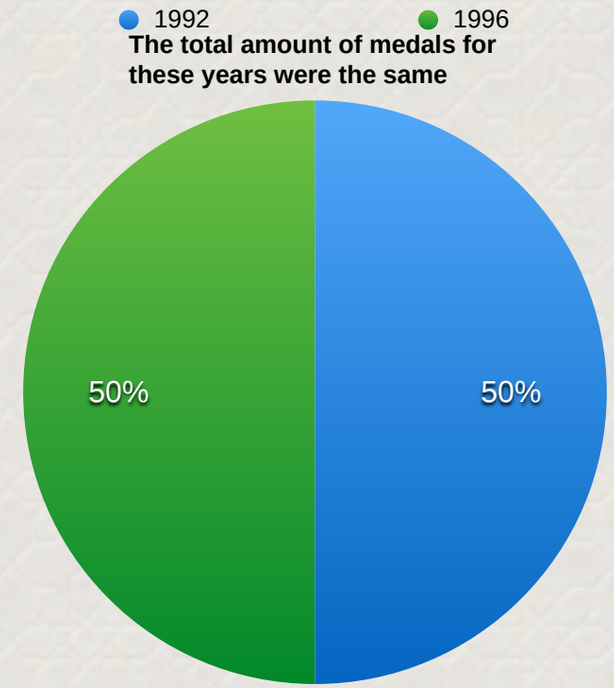
How many medals Kenya has won since 1988

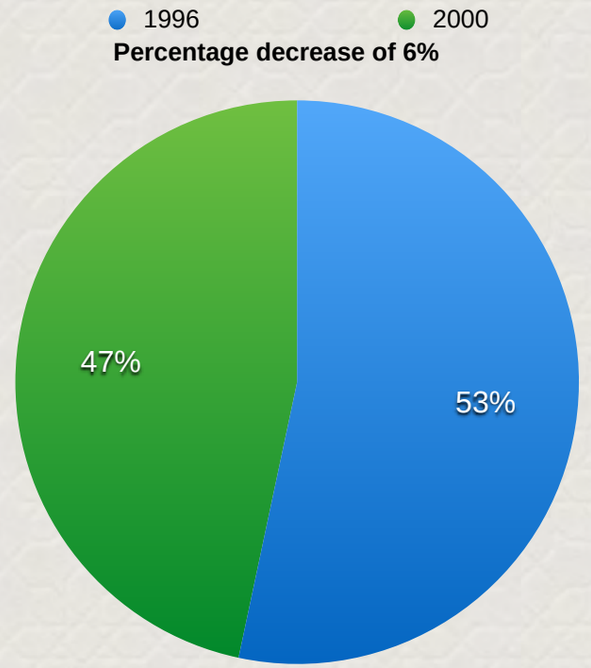
Year / other	Gold	Silver	Bronze	Total
1988	5	2	2	9
1992	2	4	2	8
1996	1	4	3	8
2000	2	3	2	7
2004	1	4	2	7
2008	6	4	4	14
2012	2	4	5	11
Mean	2.7	3.56	2.86	9.13
Median	2	4	2	8
Mode	2	4	2	7 & 8
Range	5	2	3	7

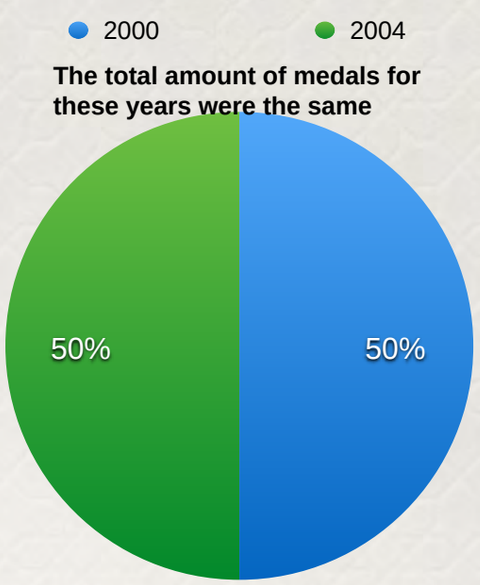
All of these are pie graphs

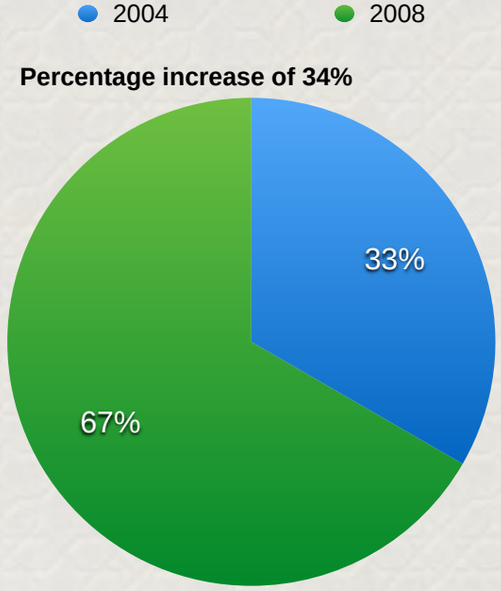
Percentage difference

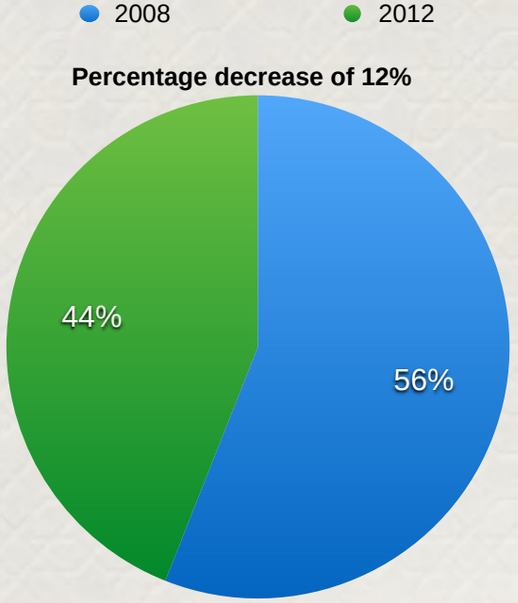


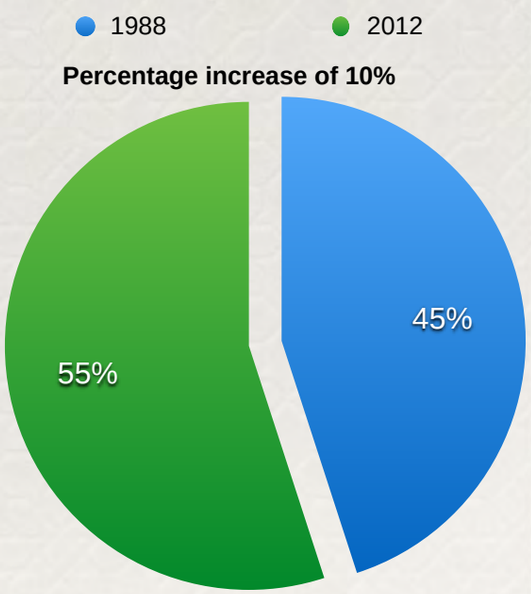






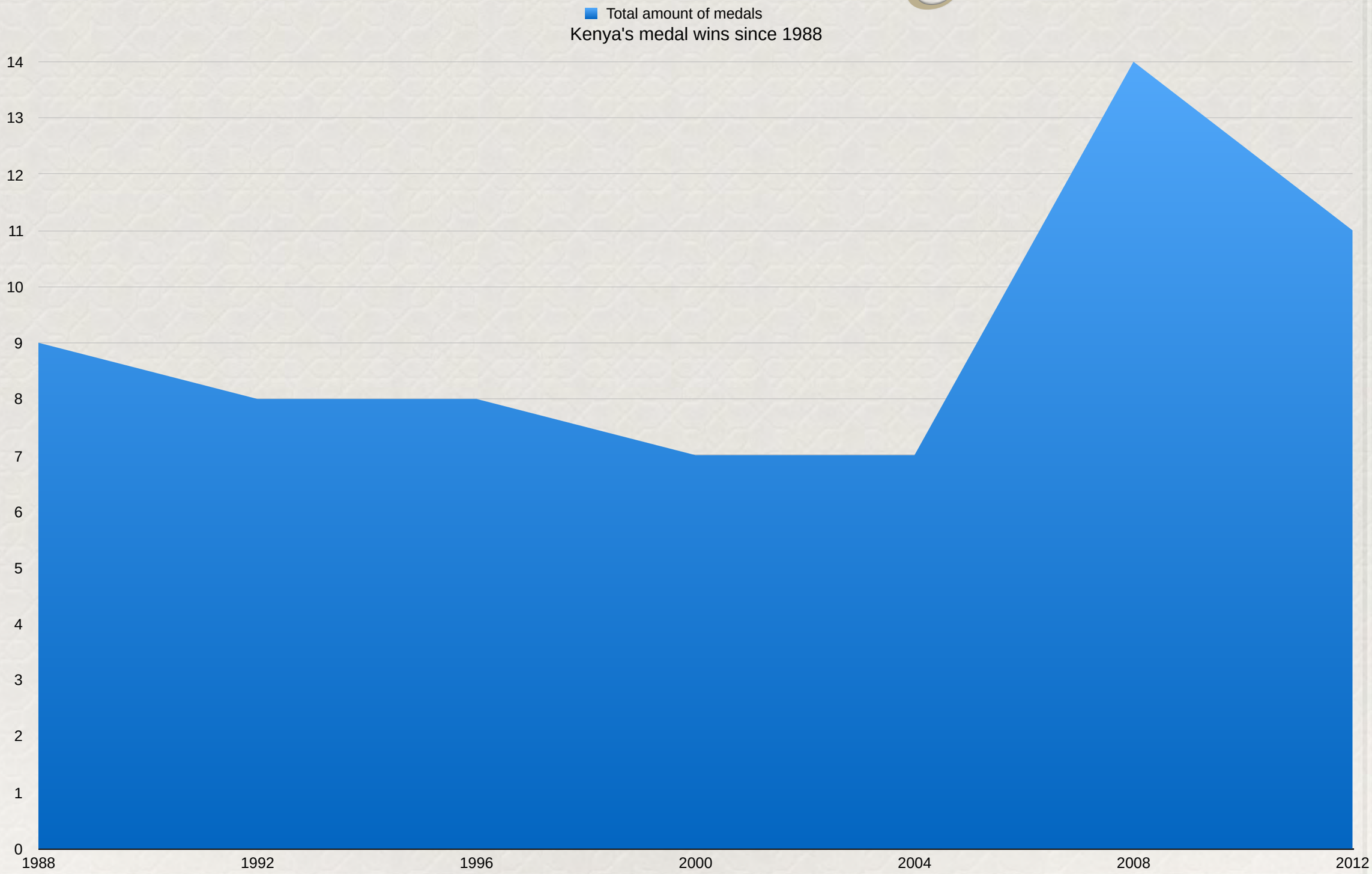






Time series graph

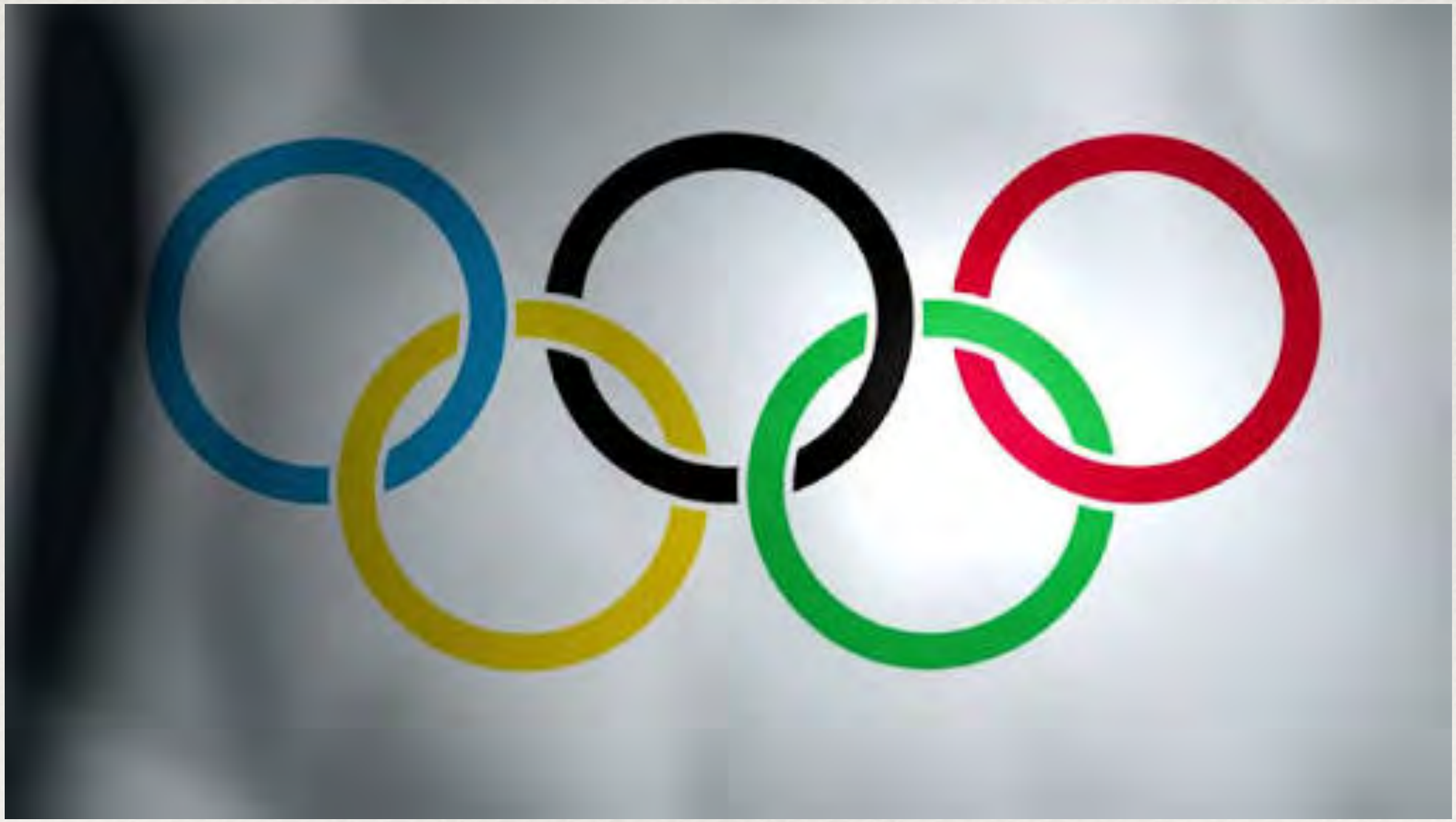
Medal change



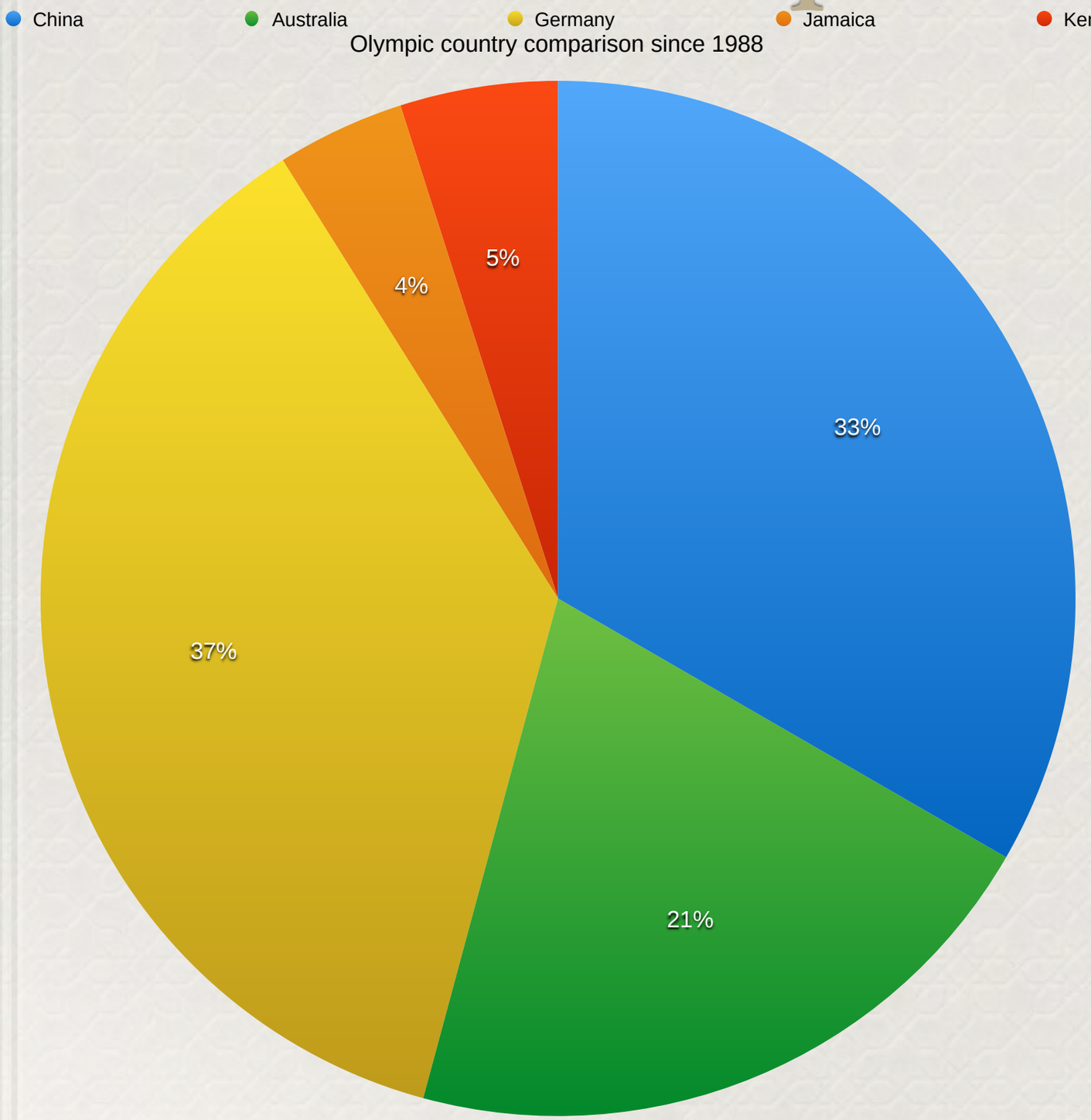
My prediction

MY PREDICTION FOR KENYA AT THE NEXT OLYMPICS IS:
GOLD: 5
SILVER: 4
BRONZE: 3
TOTAL: 12
I RECKON KENYA ARE GOING TO DO BETTER THIS YEAR BECAUSE IN LONDON IT WAS TOO COLD AND THERE NOT USED TO THE COLD SO THEY DIDN'T GET MANY MEDALS BUT RIO IS WARM SO THEY SHOULD GET A FEW MORE

Other



Comparisons



In this pie graph you can see that German have the most medals soon after China then Australia and than Kenya and Jamaica last.

Keep in mind that Germany are drug cheats.

The end