

Mathematische Statistik

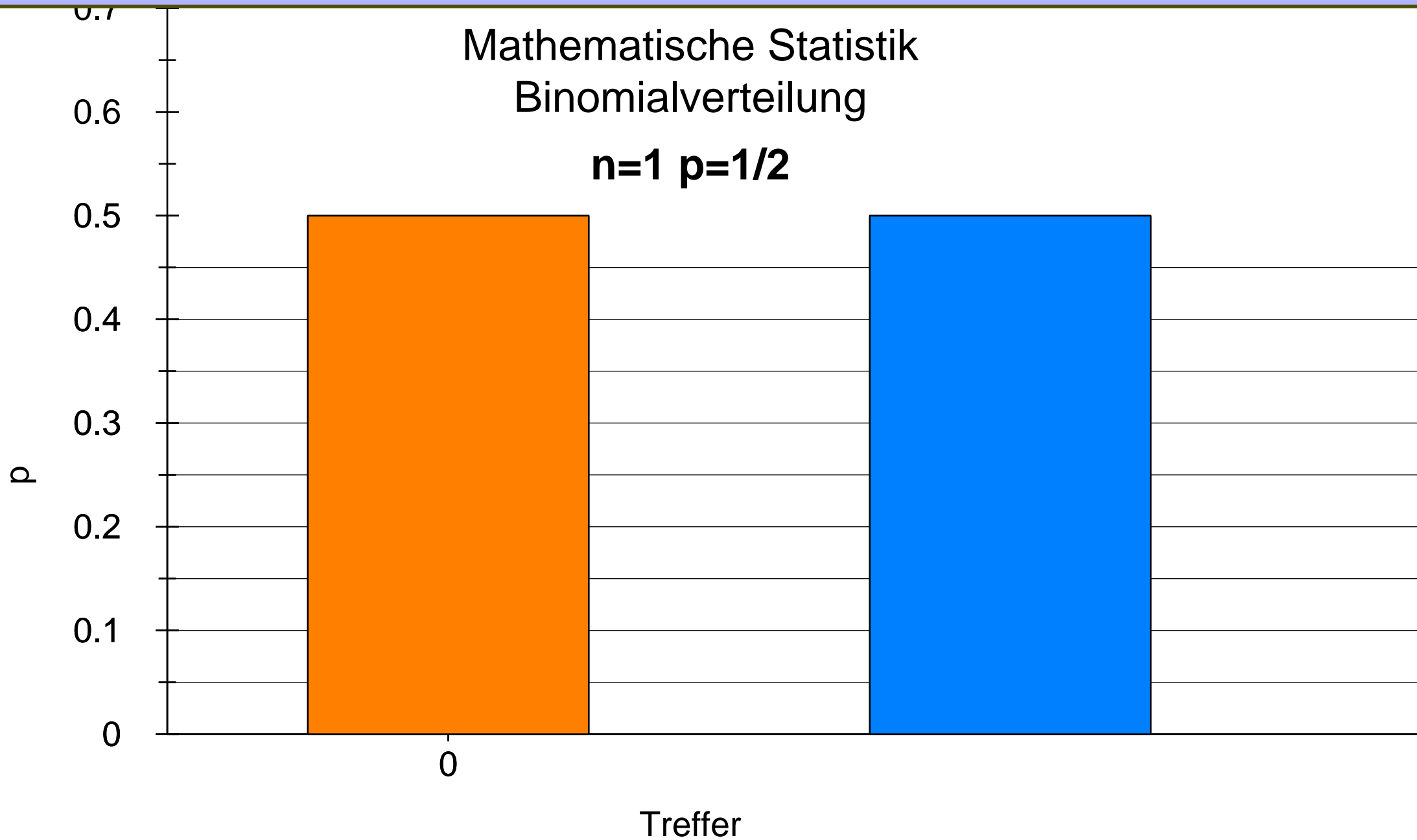
Binomialverteilung

G. Wegener

Hannover, im Oktober 2017,
alle Rechte vorbehalten.

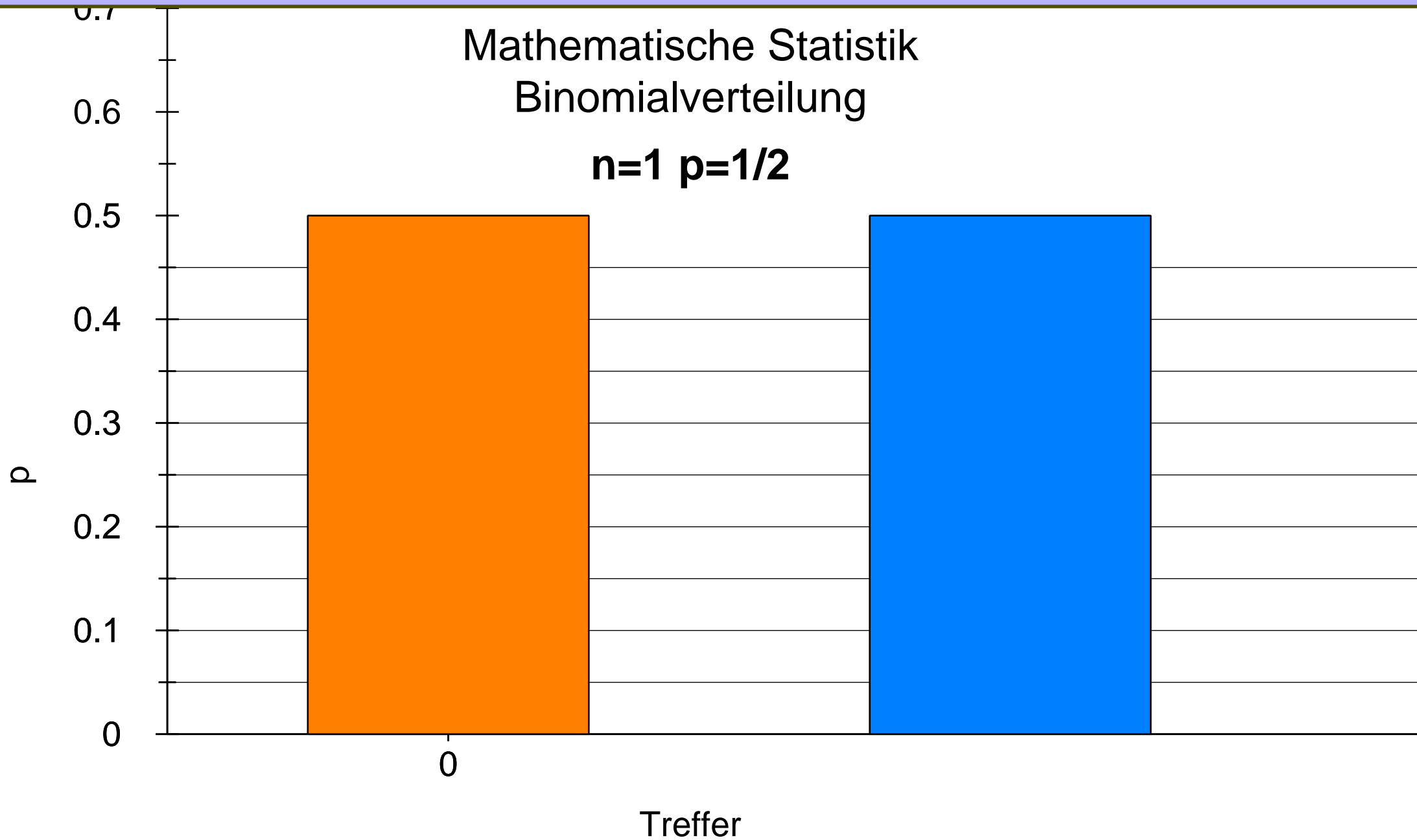
Mathematische Statistik
Binomialverteilung

$n=1$ $p=1/2$



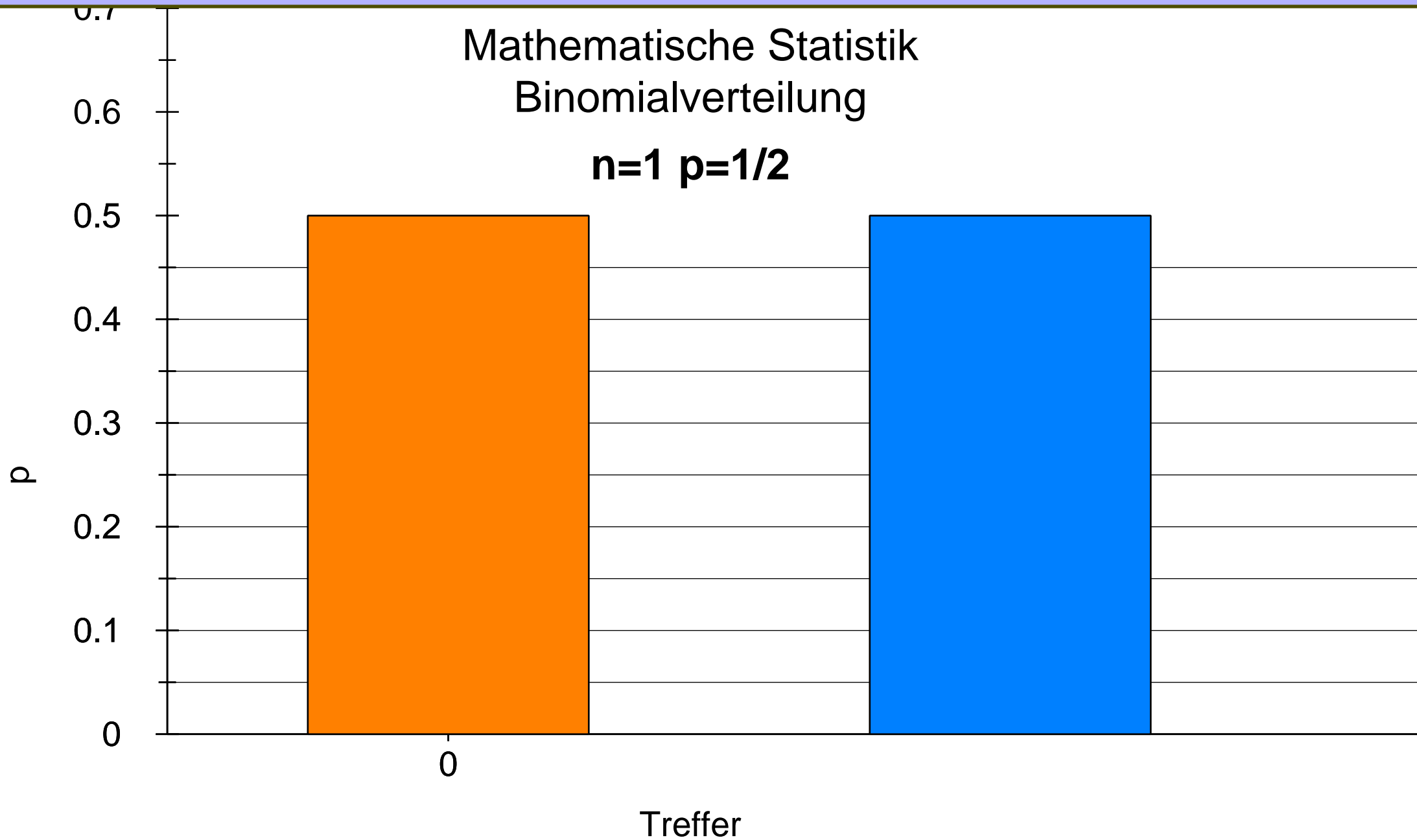
Mathematische Statistik
Binomialverteilung

$n=1$ $p=1/2$



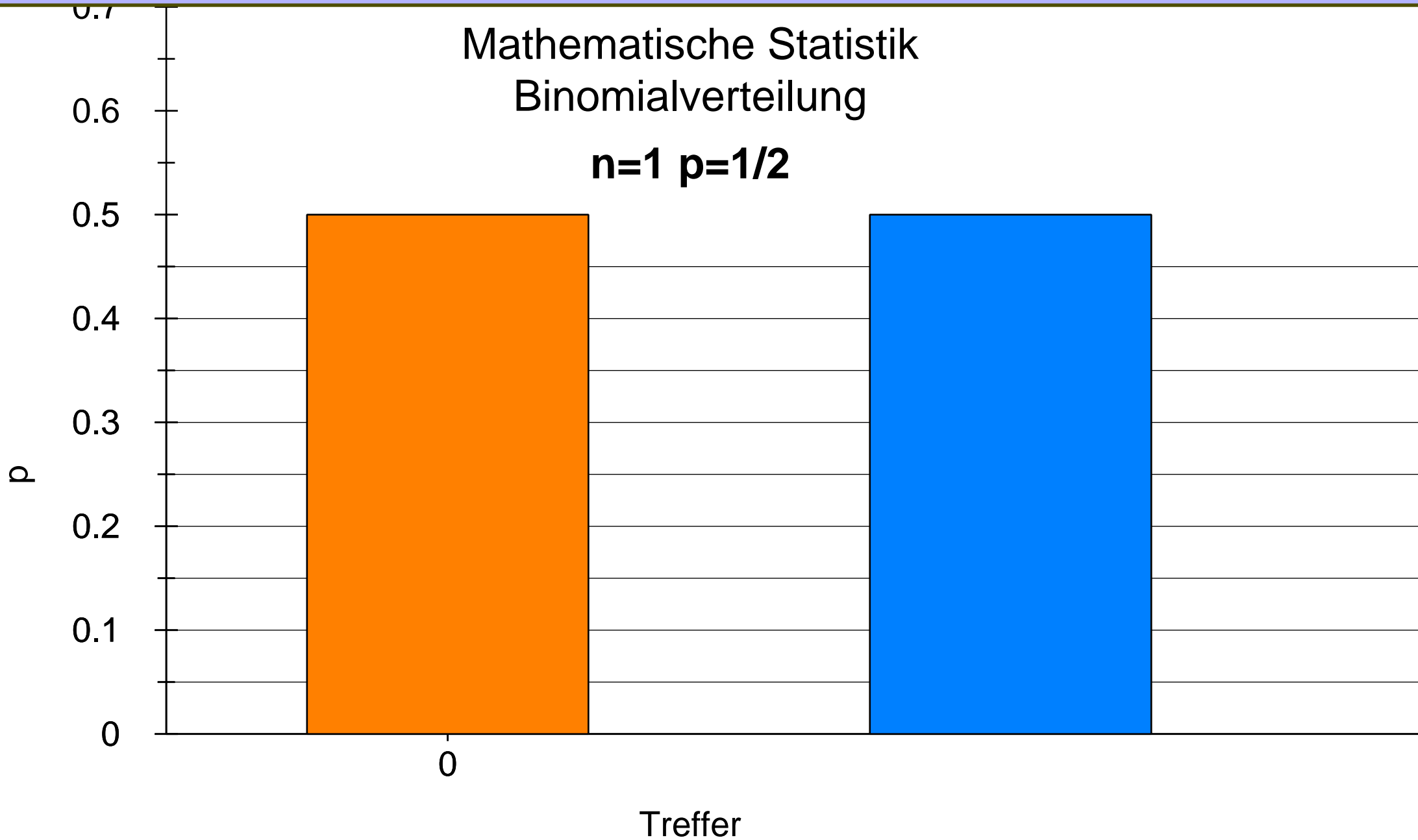
Mathematische Statistik
Binomialverteilung

$n=1$ $p=1/2$



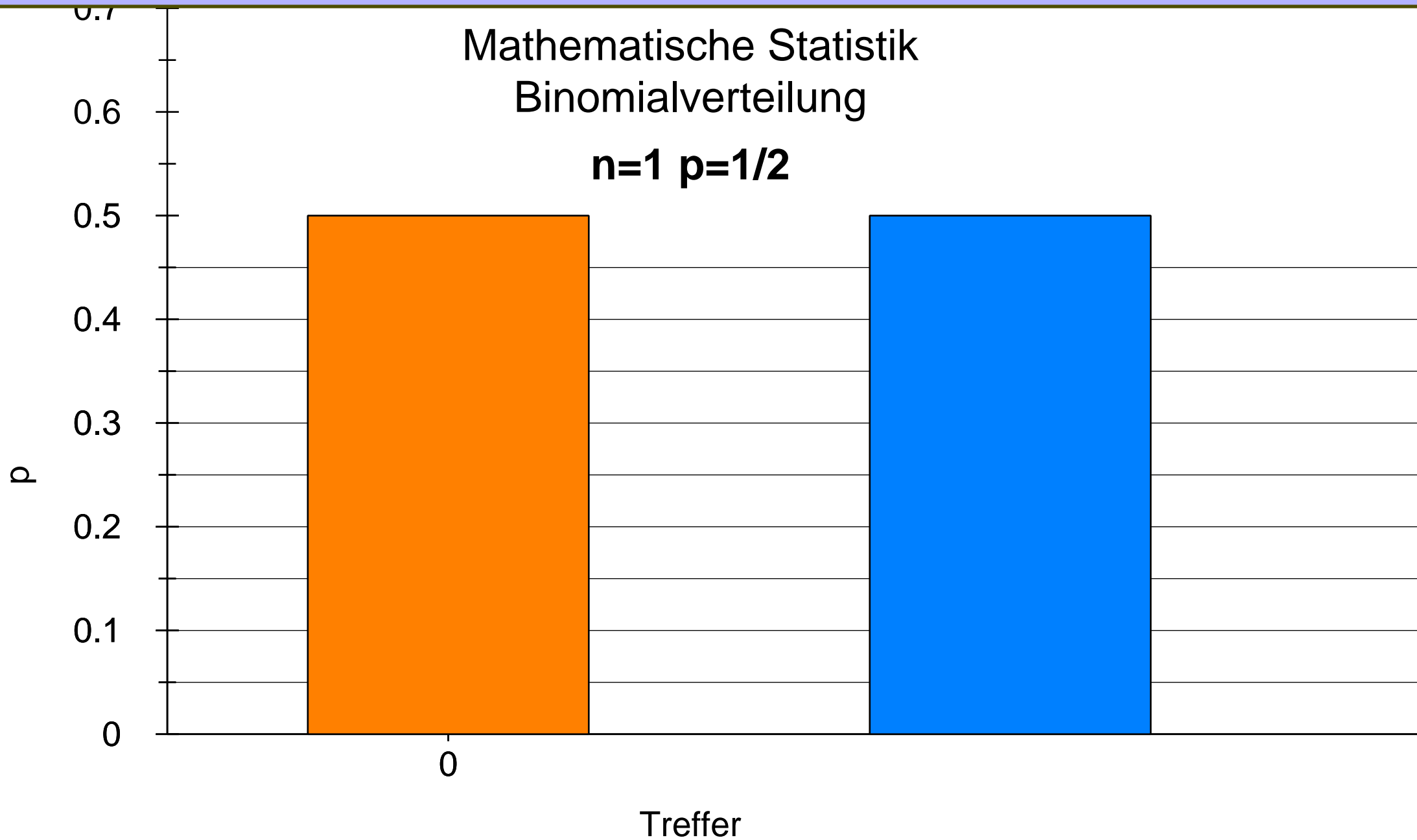
Mathematische Statistik
Binomialverteilung

$n=1$ $p=1/2$



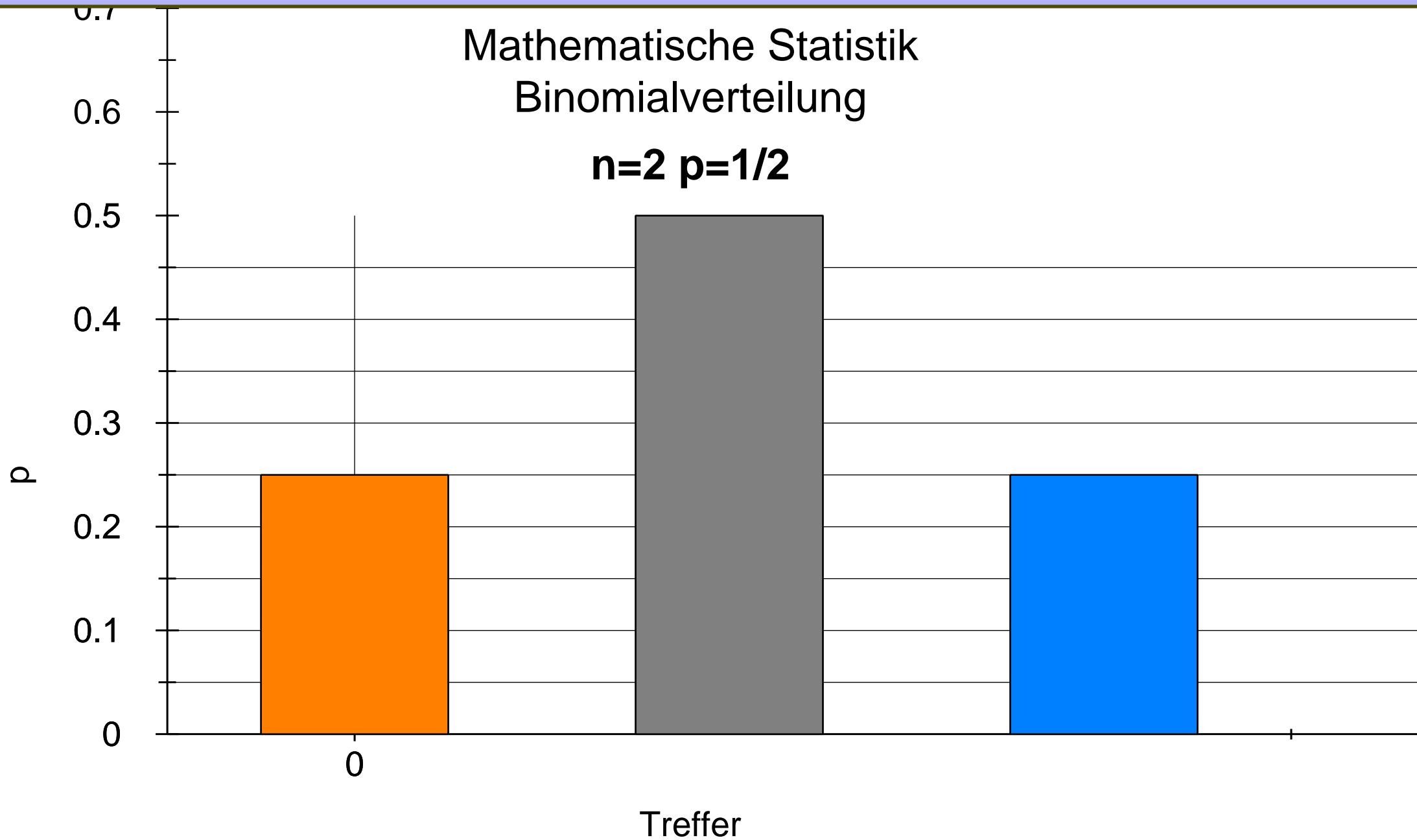
Mathematische Statistik
Binomialverteilung

$n=1$ $p=1/2$



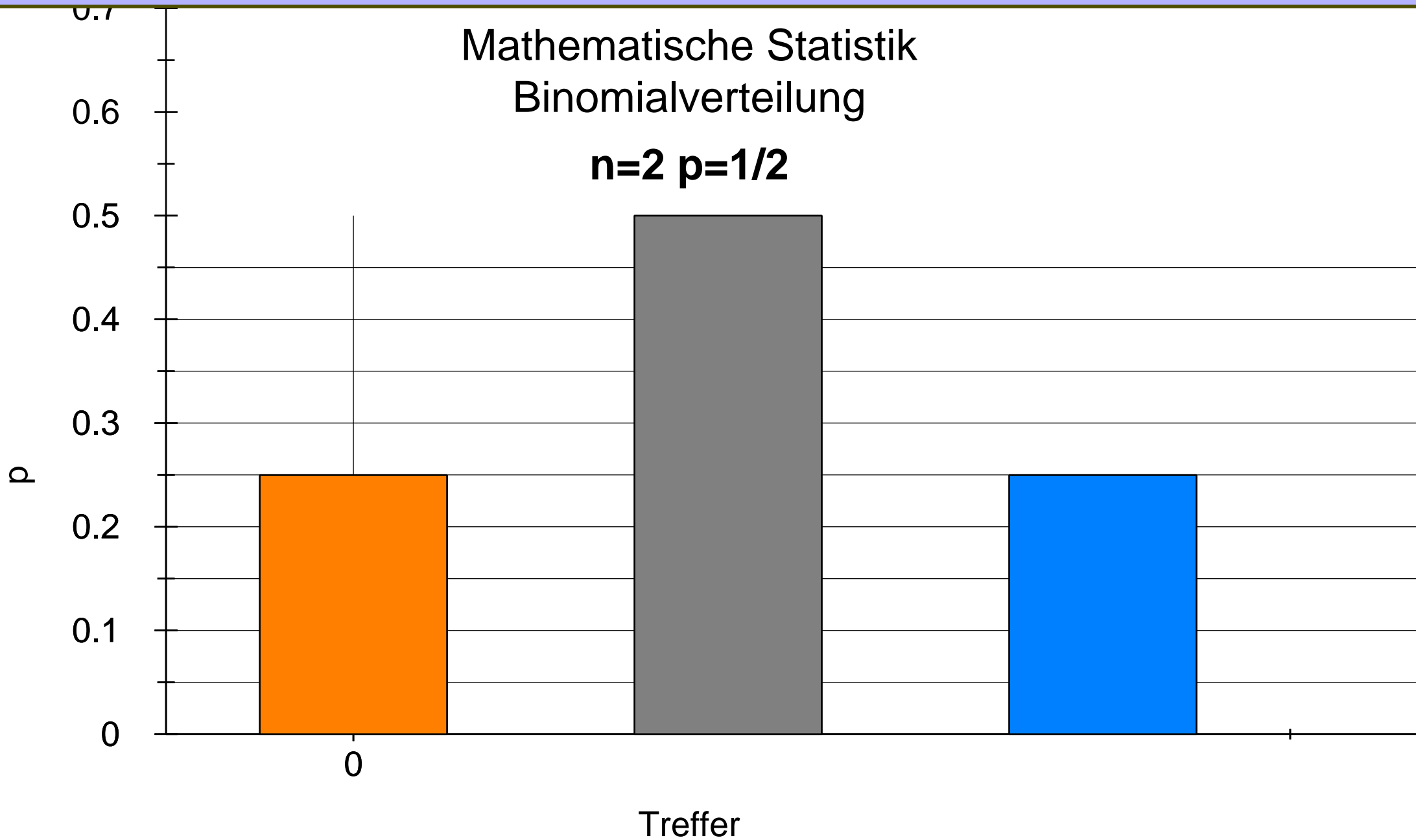
Mathematische Statistik
Binomialverteilung

$n=2$ $p=1/2$



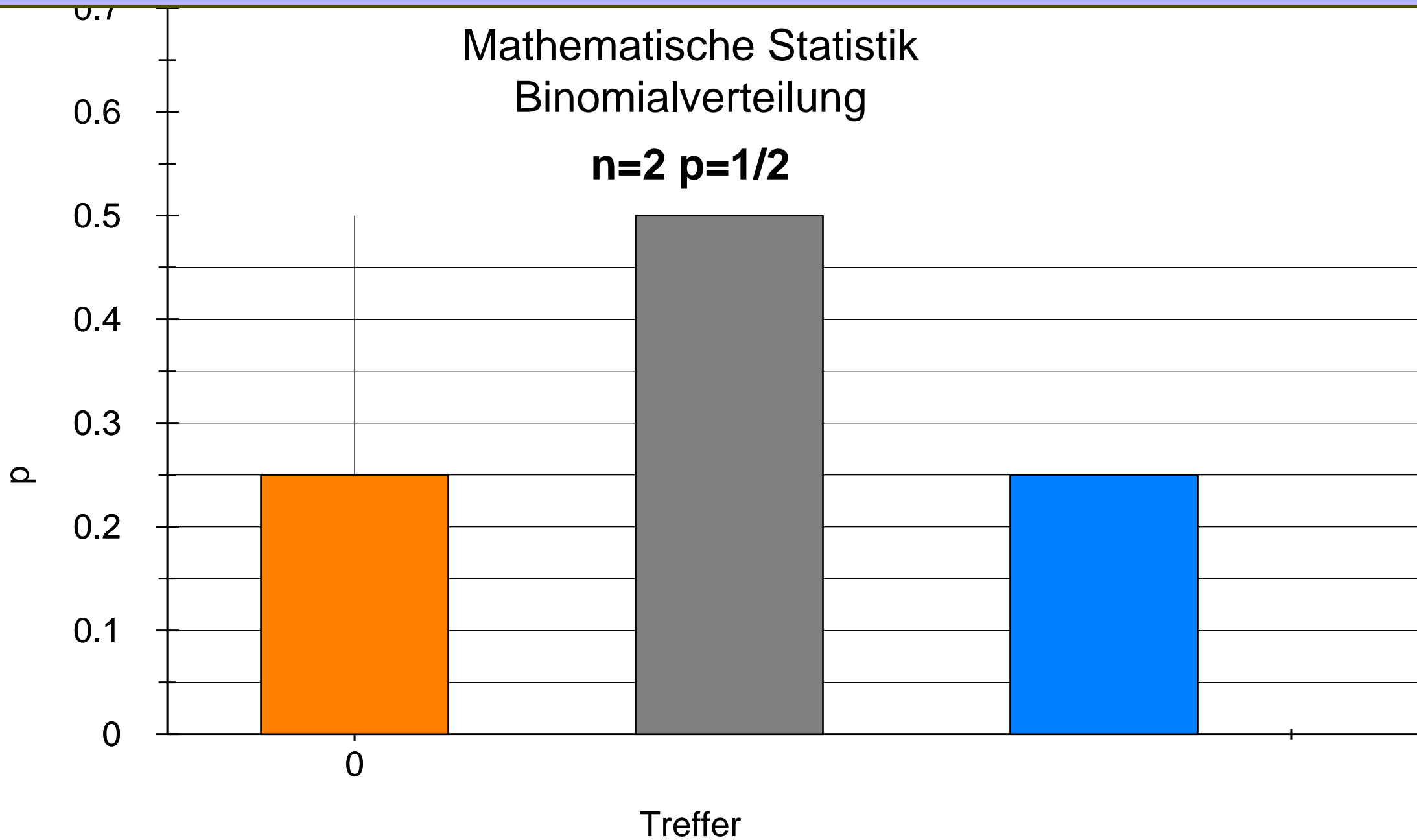
Mathematische Statistik
Binomialverteilung

$n=2$ $p=1/2$



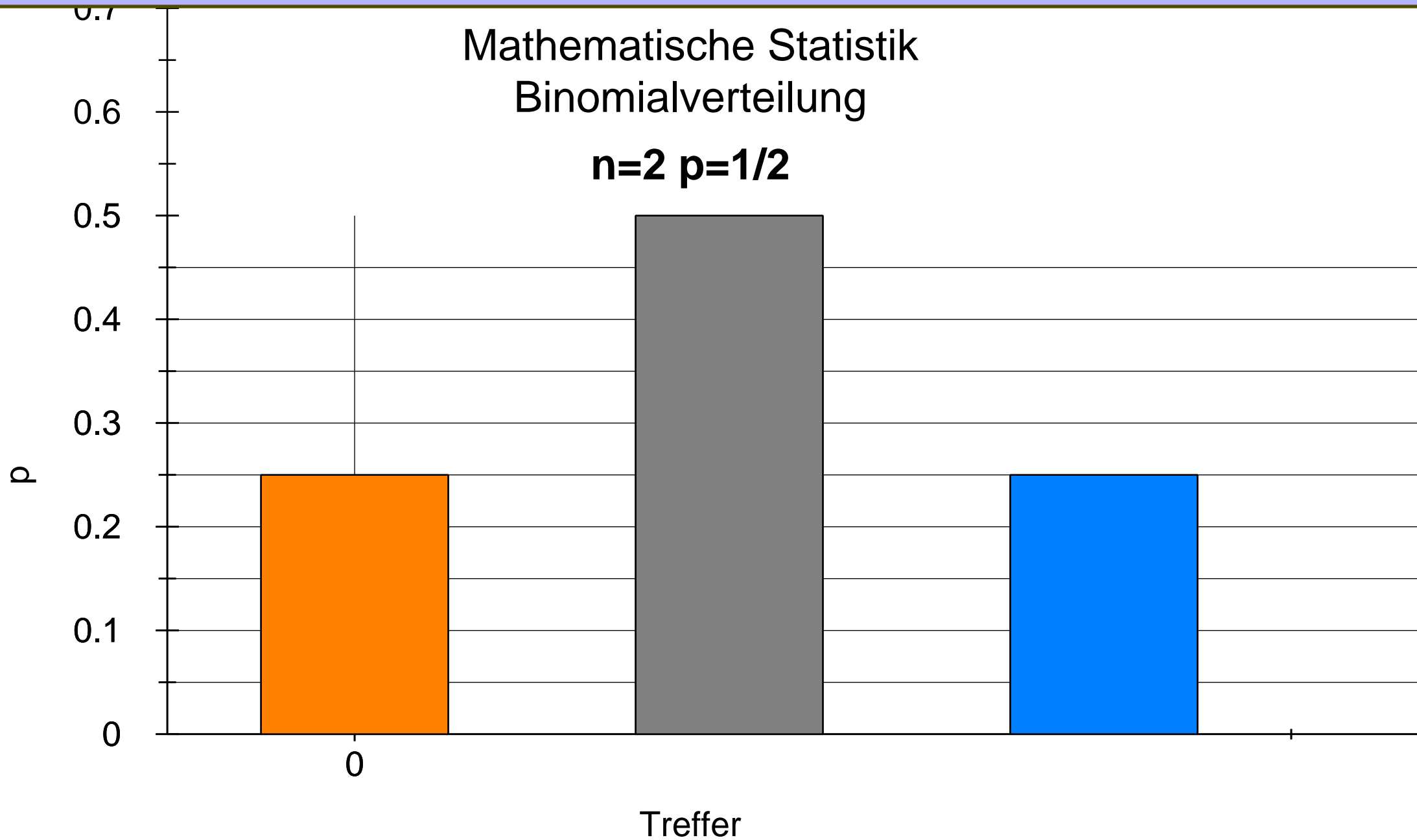
Mathematische Statistik
Binomialverteilung

$n=2$ $p=1/2$



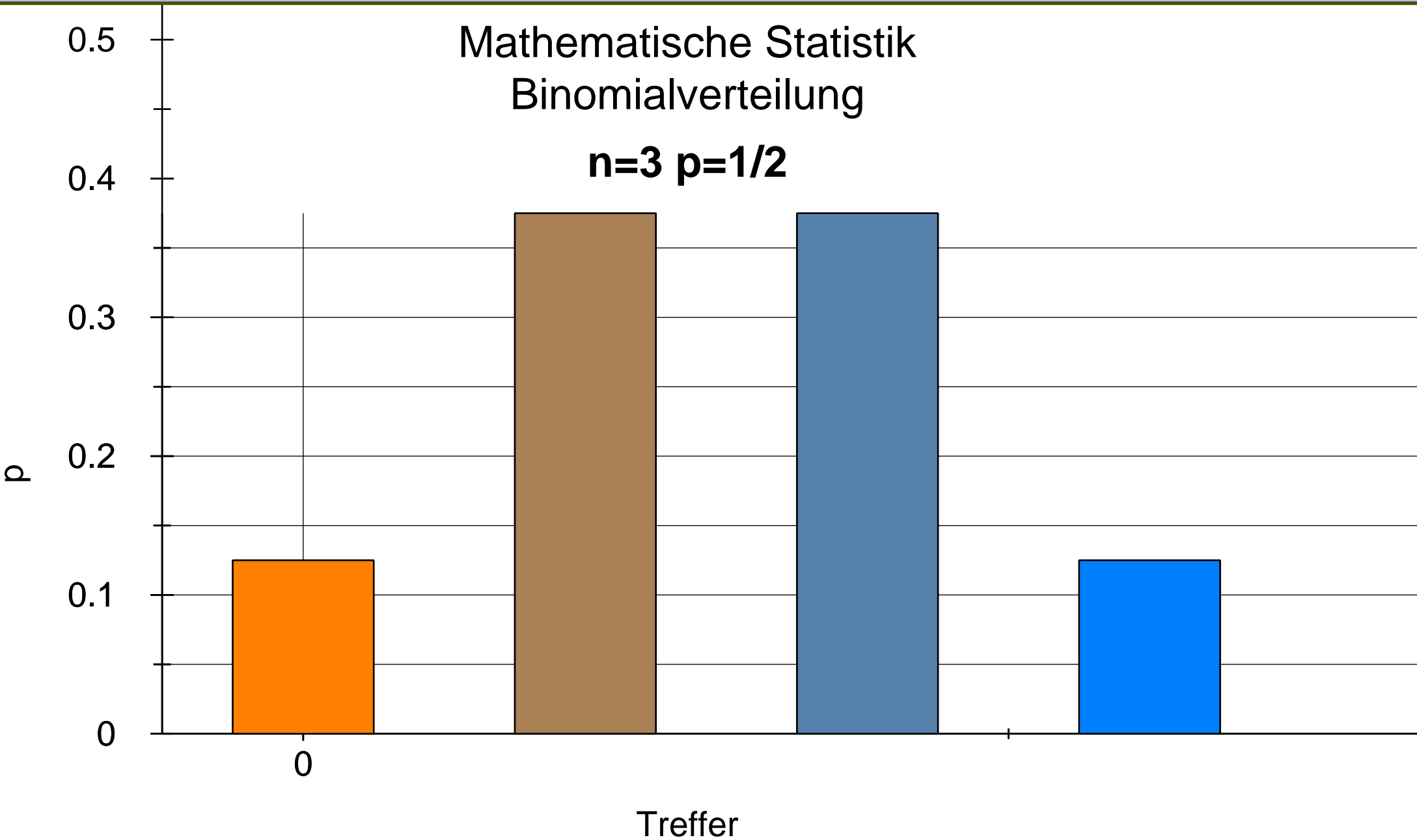
Mathematische Statistik
Binomialverteilung

$n=2$ $p=1/2$



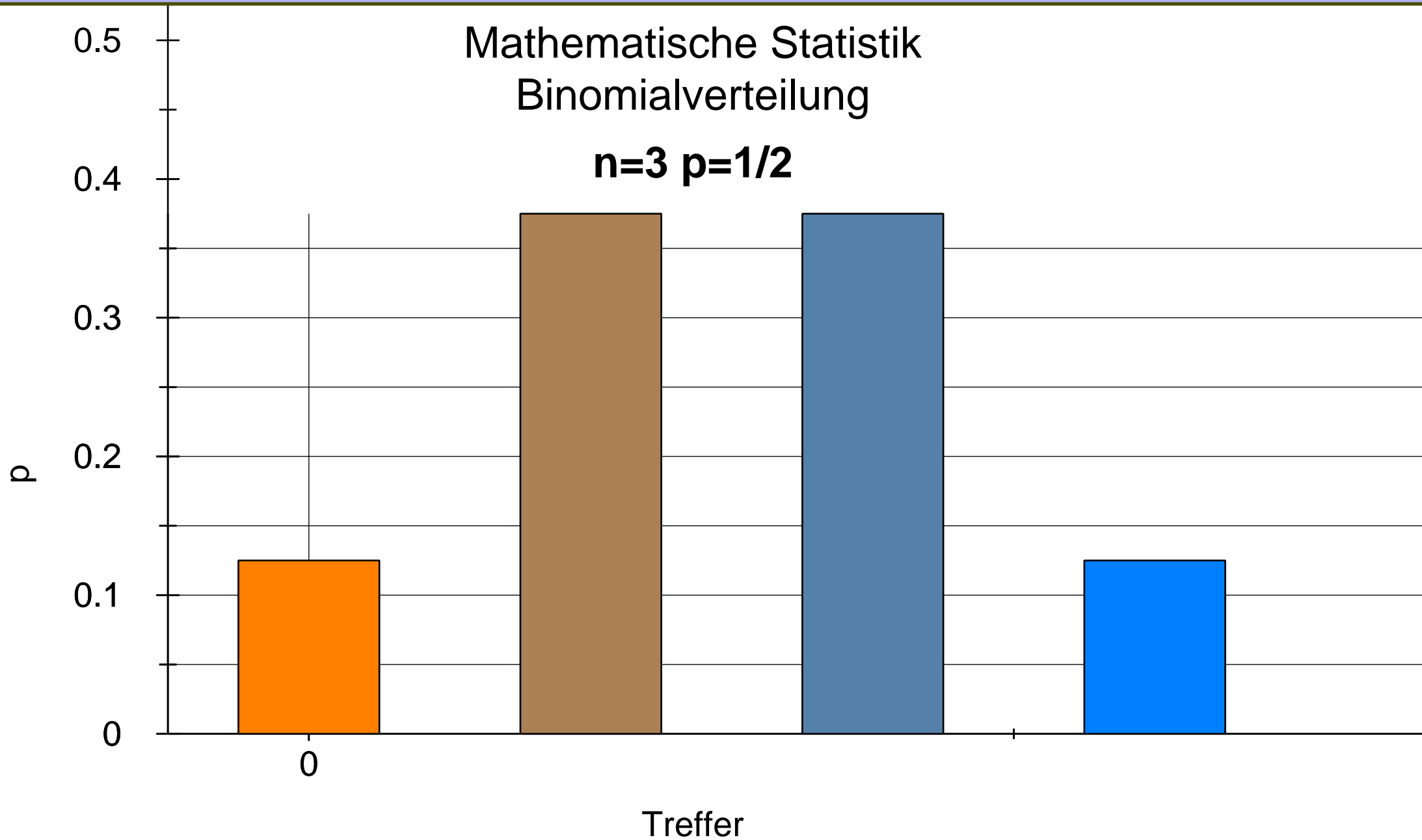
Mathematische Statistik
Binomialverteilung

n=3 p=1/2



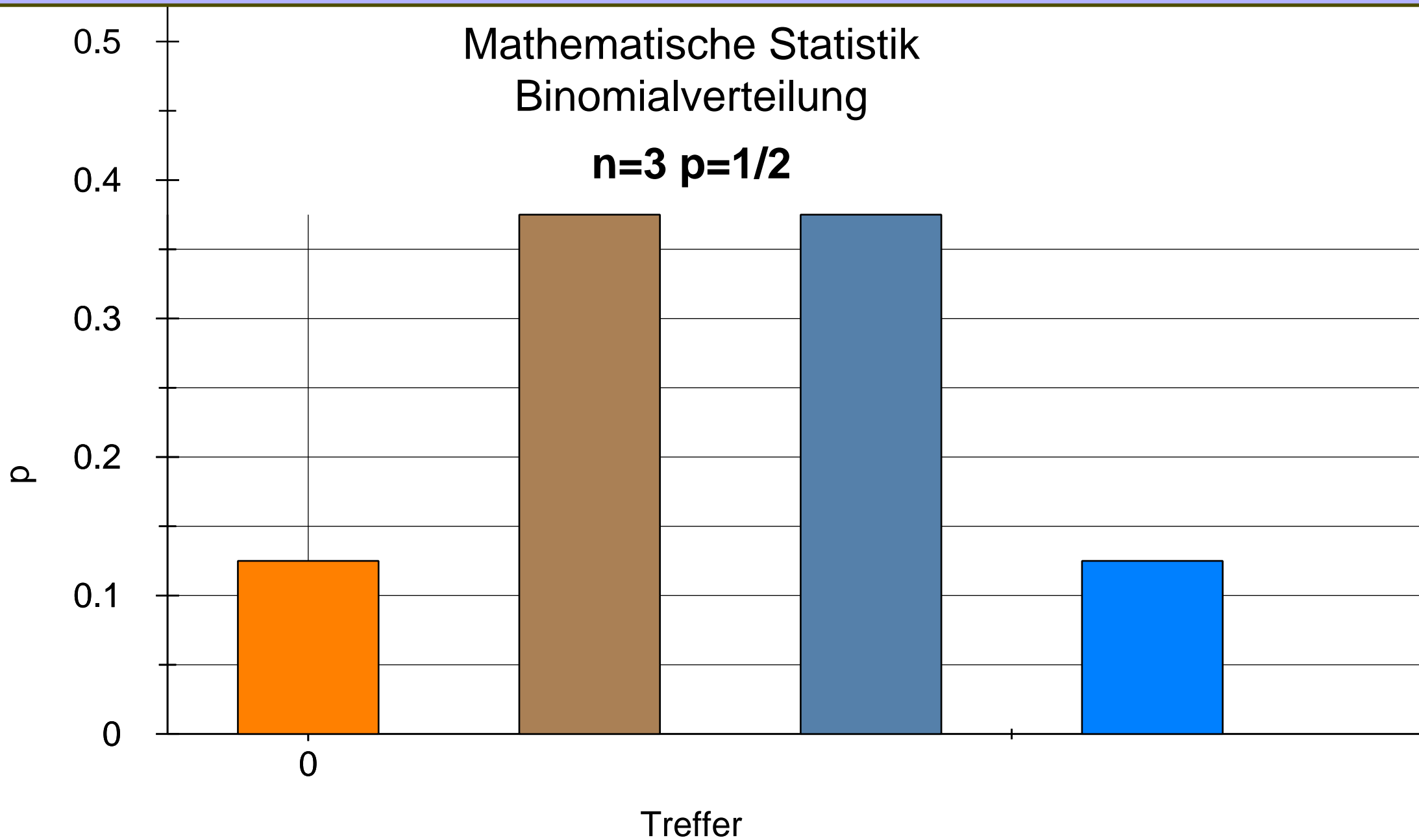
Mathematische Statistik
Binomialverteilung

$n=3$ $p=1/2$



Mathematische Statistik
Binomialverteilung

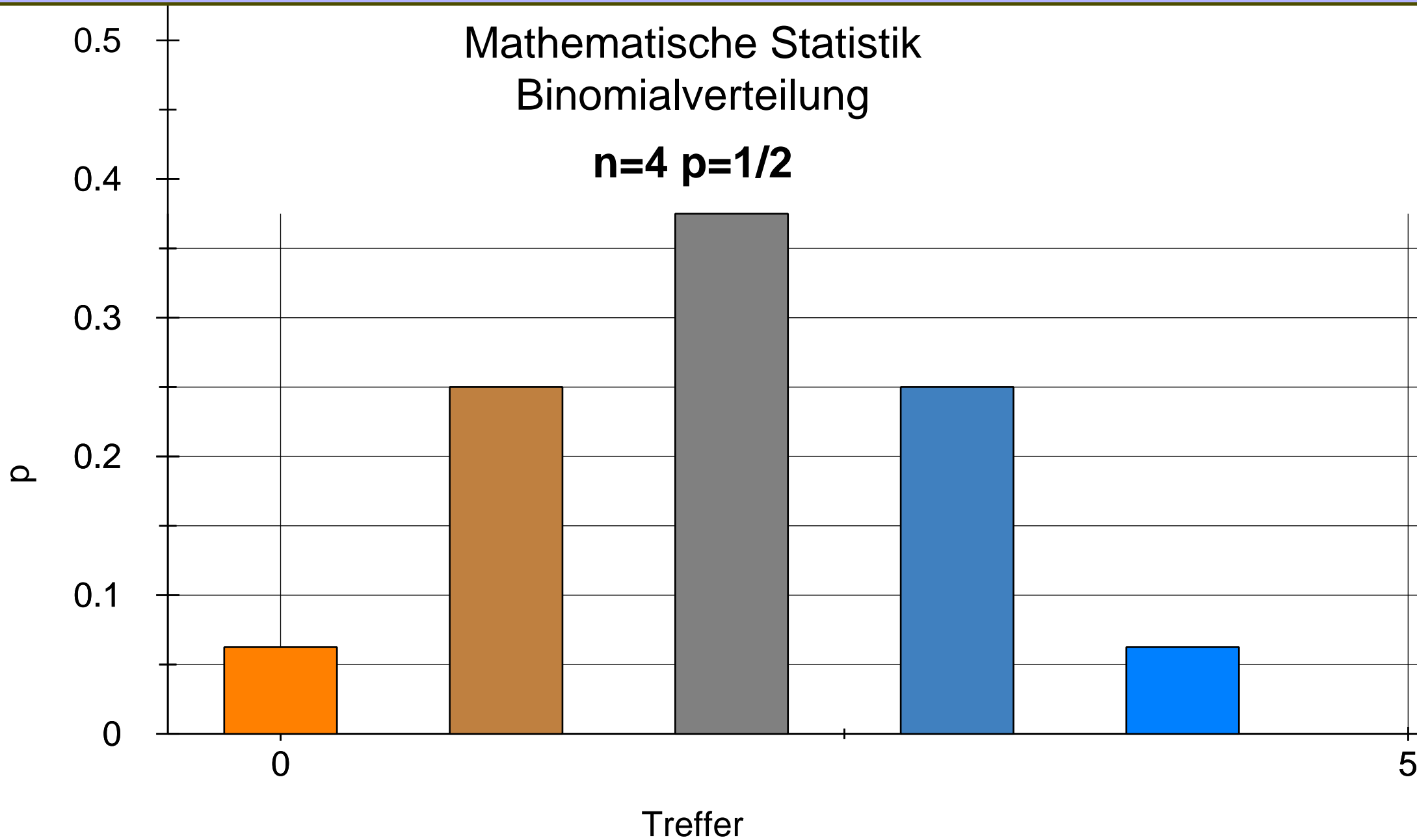
$n=3$ $p=1/2$



Mathematische Statistik

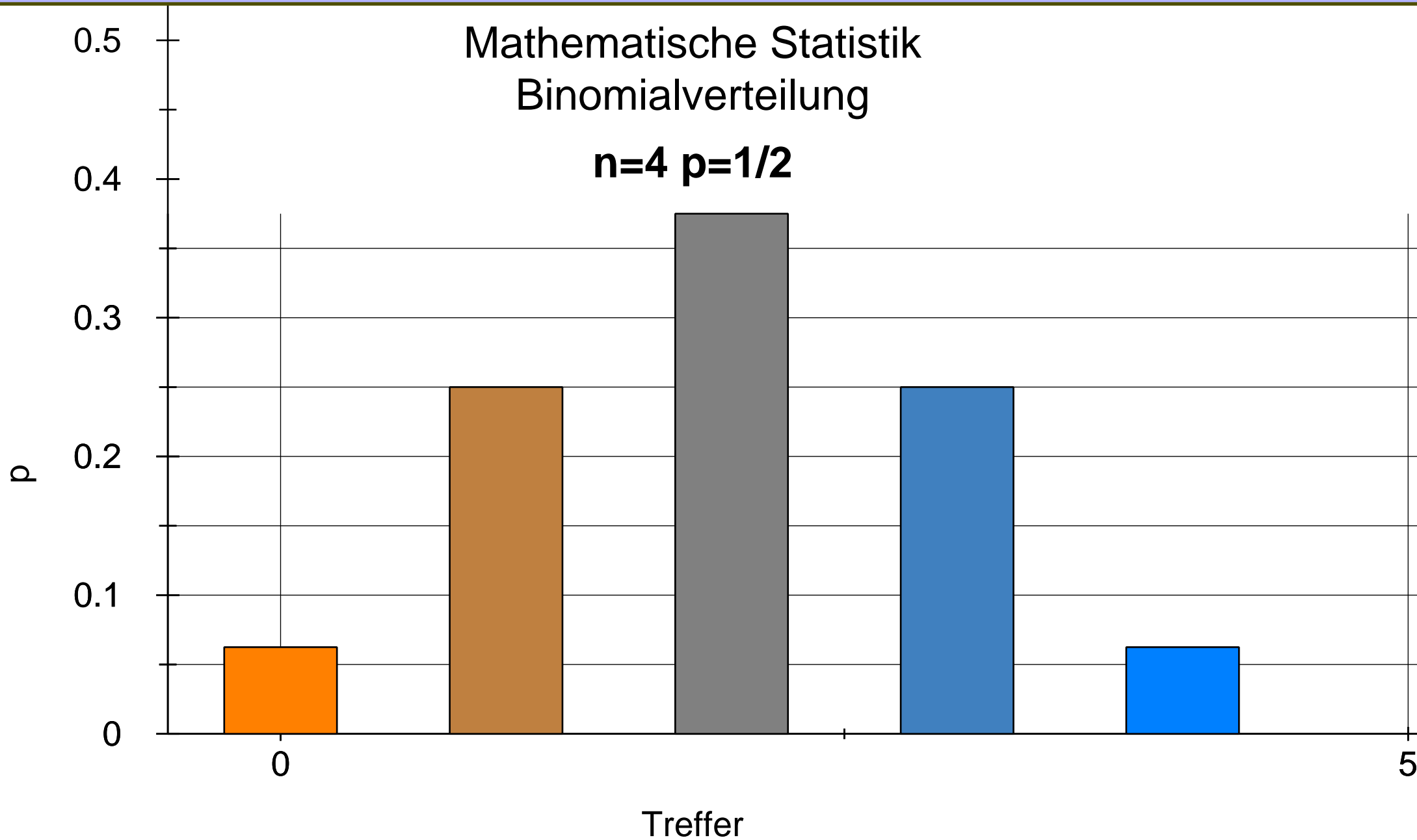
Binomialverteilung

$n=4$ $p=1/2$



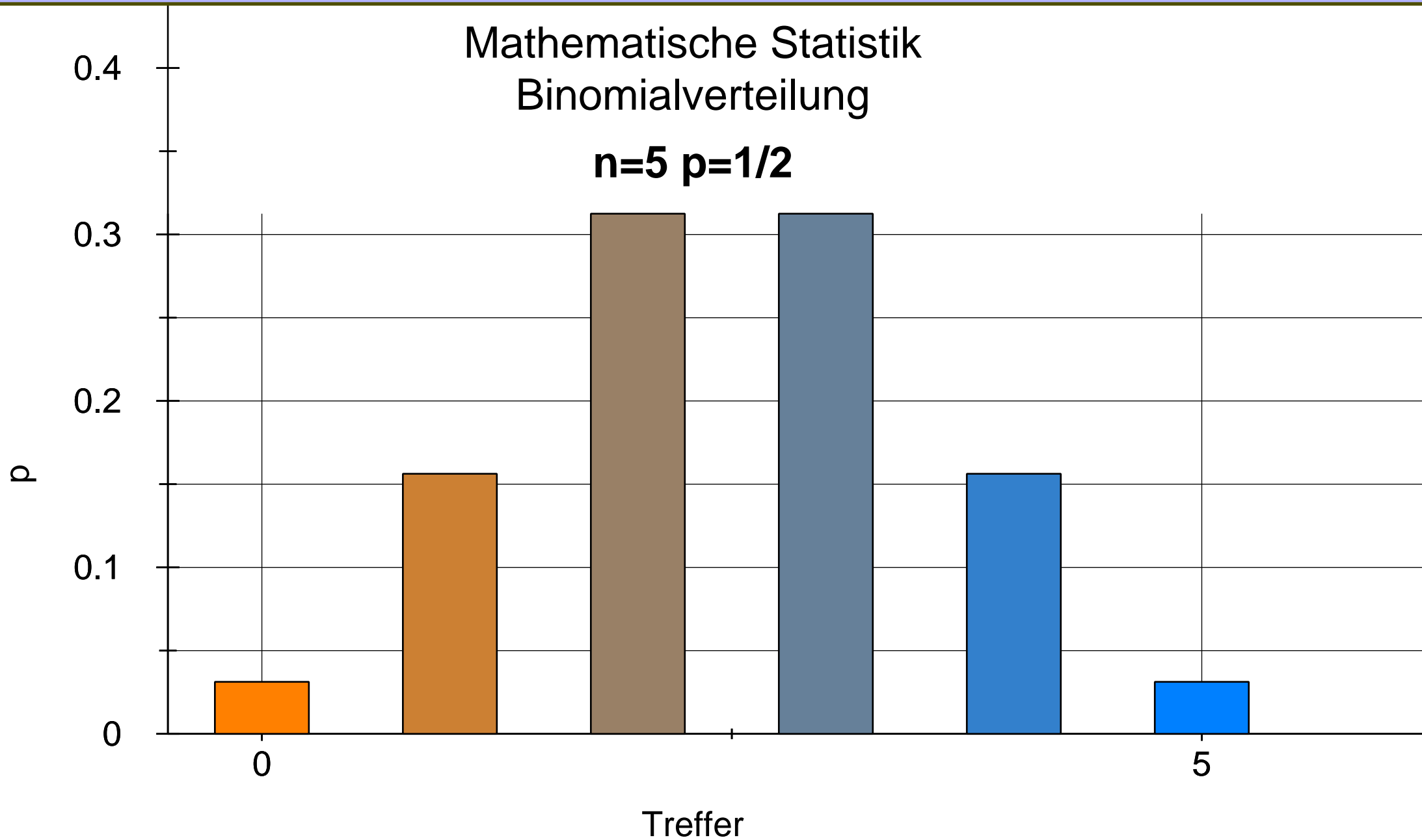
Mathematische Statistik
Binomialverteilung

$n=4$ $p=1/2$



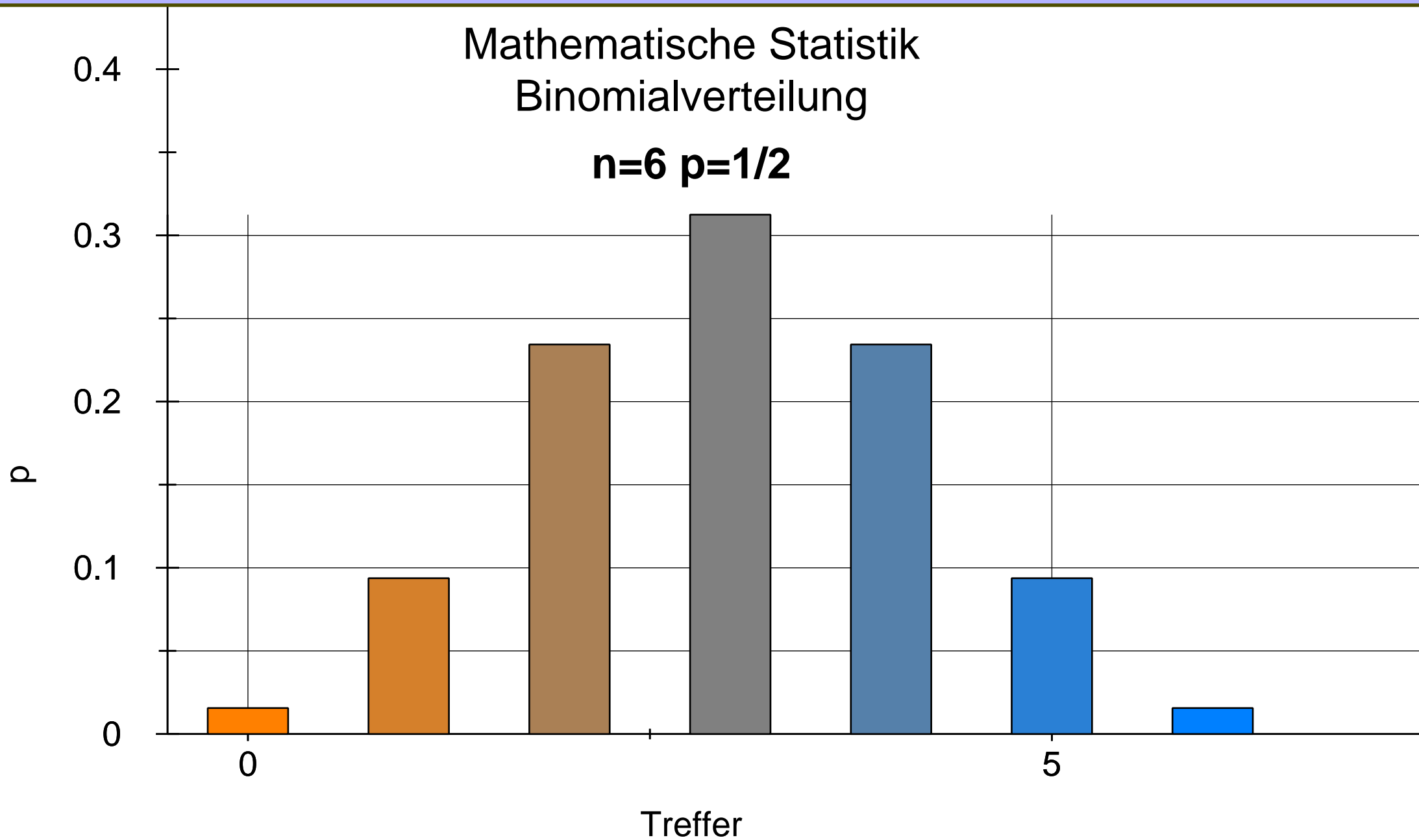
Mathematische Statistik
Binomialverteilung

$n=5$ $p=1/2$



Mathematische Statistik Binomialverteilung

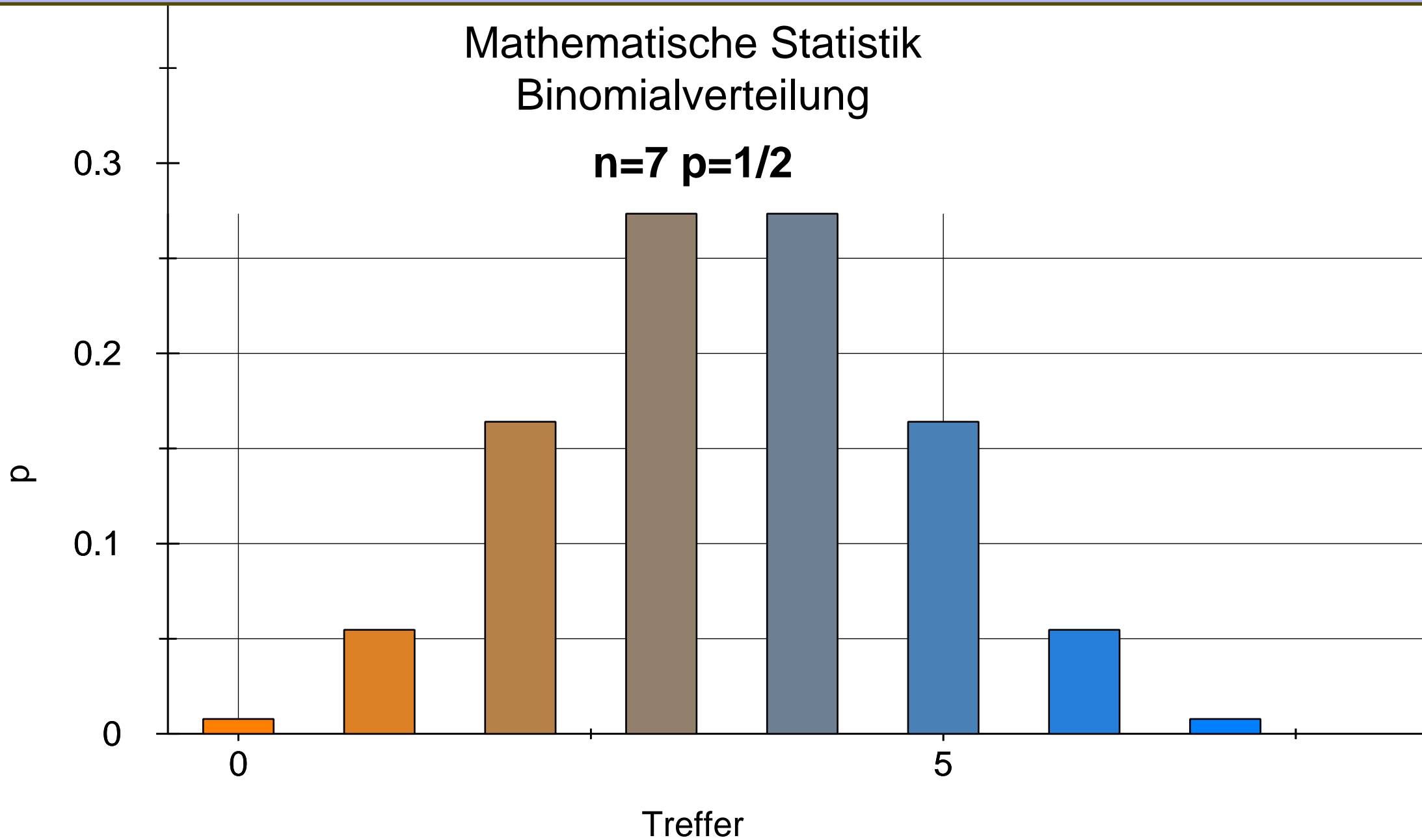
$n=6$ $p=1/2$



Mathematische Statistik

Binomialverteilung

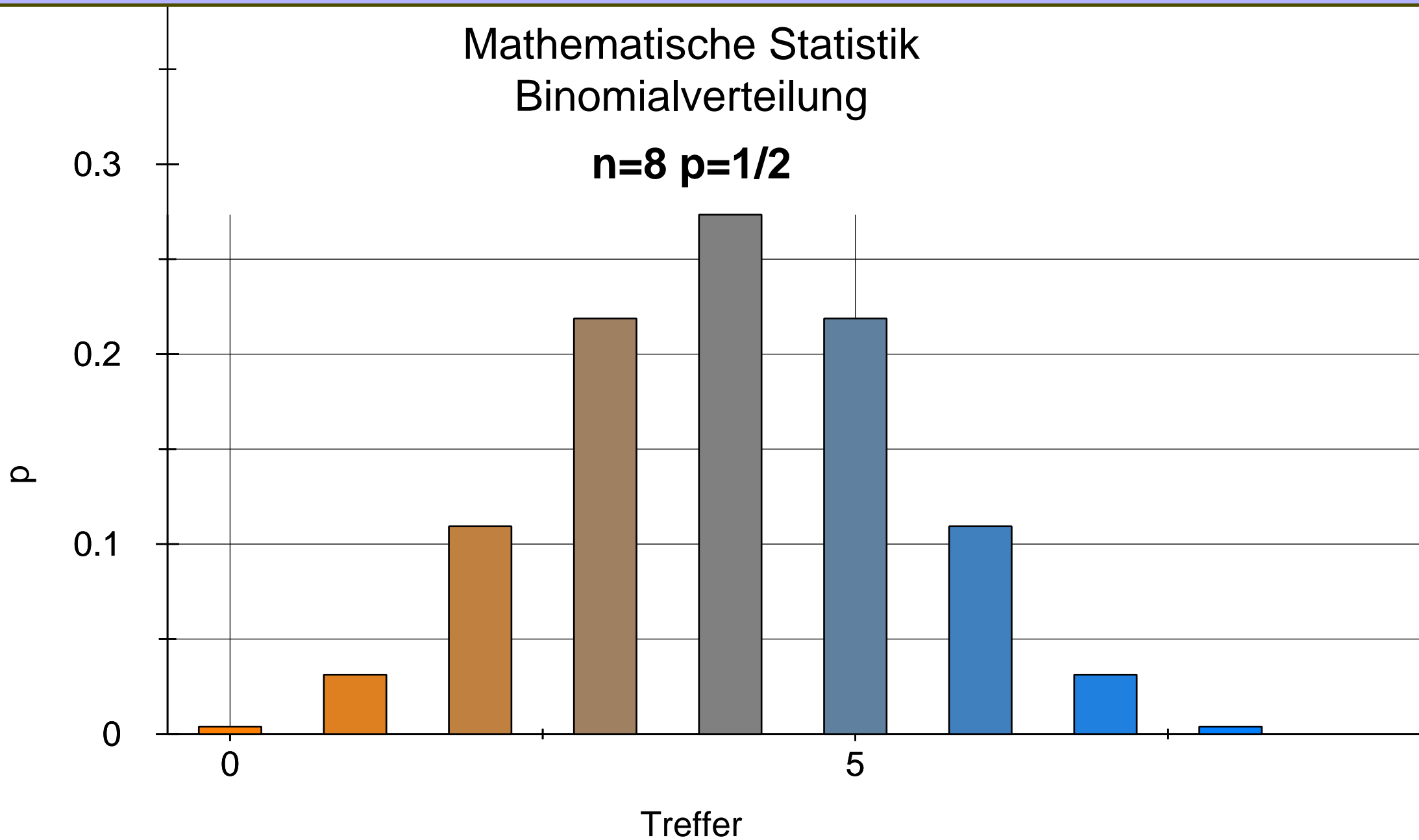
$n=7$ $p=1/2$



Mathematische Statistik

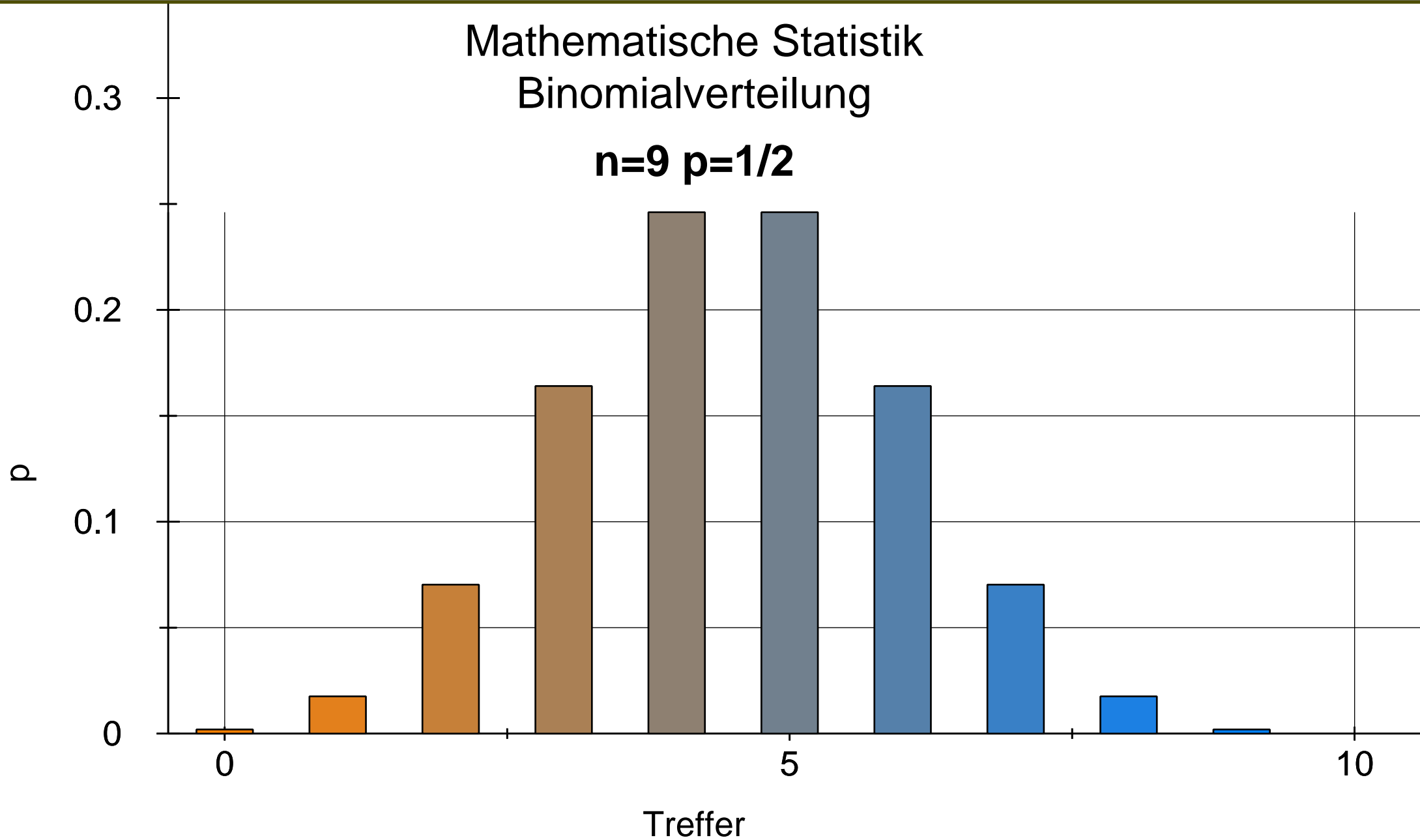
Binomialverteilung

$n=8$ $p=1/2$



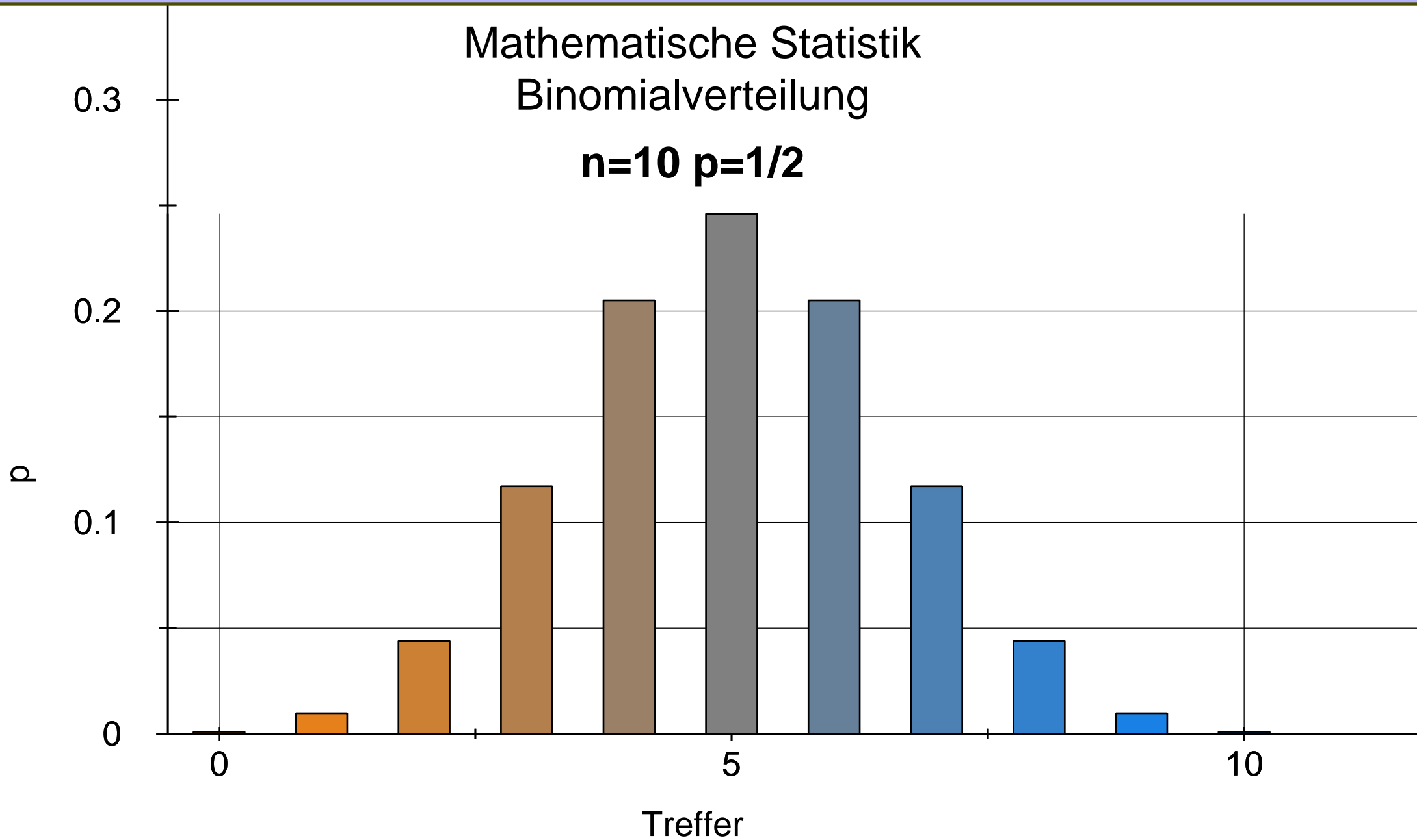
Mathematische Statistik
Binomialverteilung

$n=9$ $p=1/2$



Mathematische Statistik
Binomialverteilung

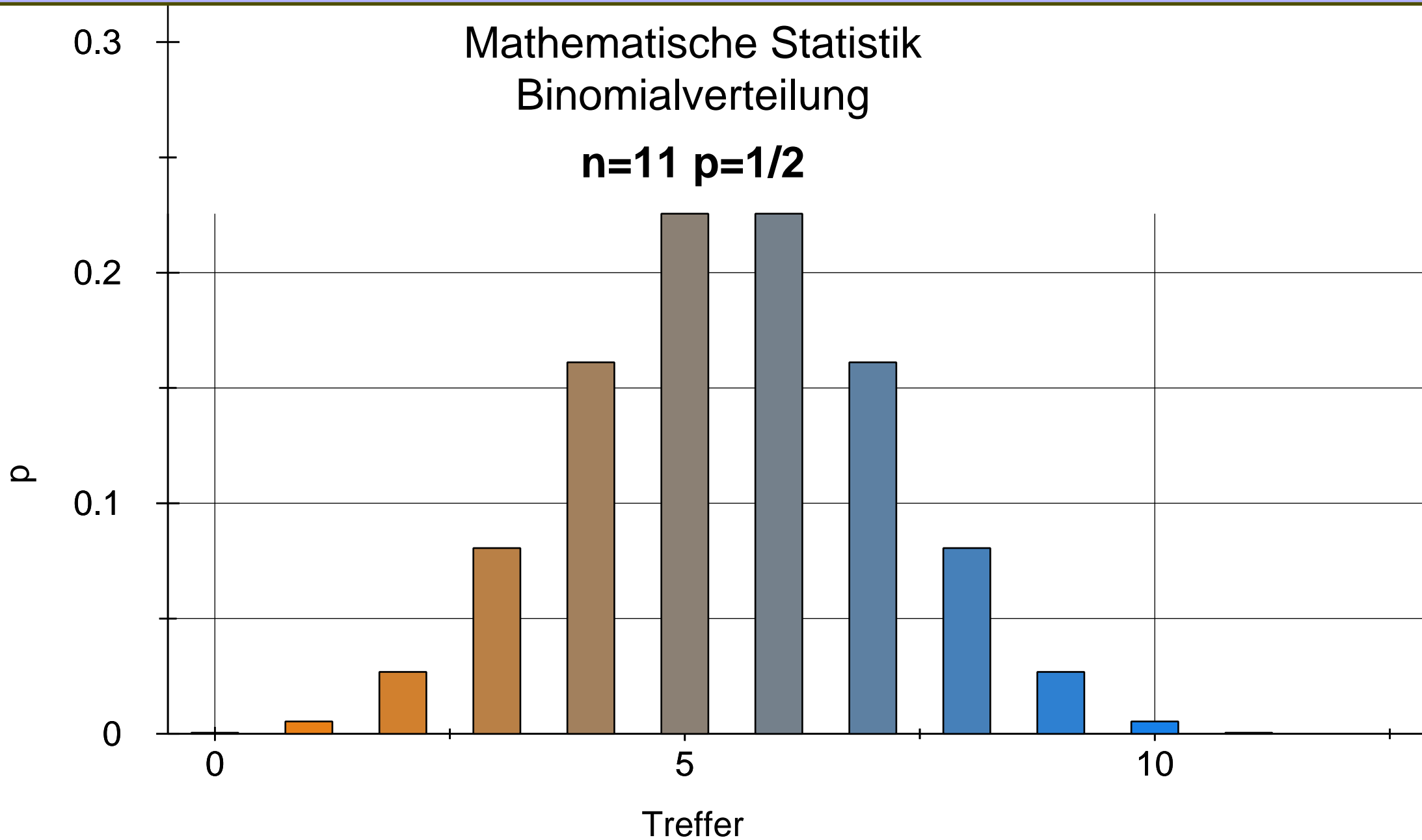
$n=10$ $p=1/2$



Mathematische Statistik

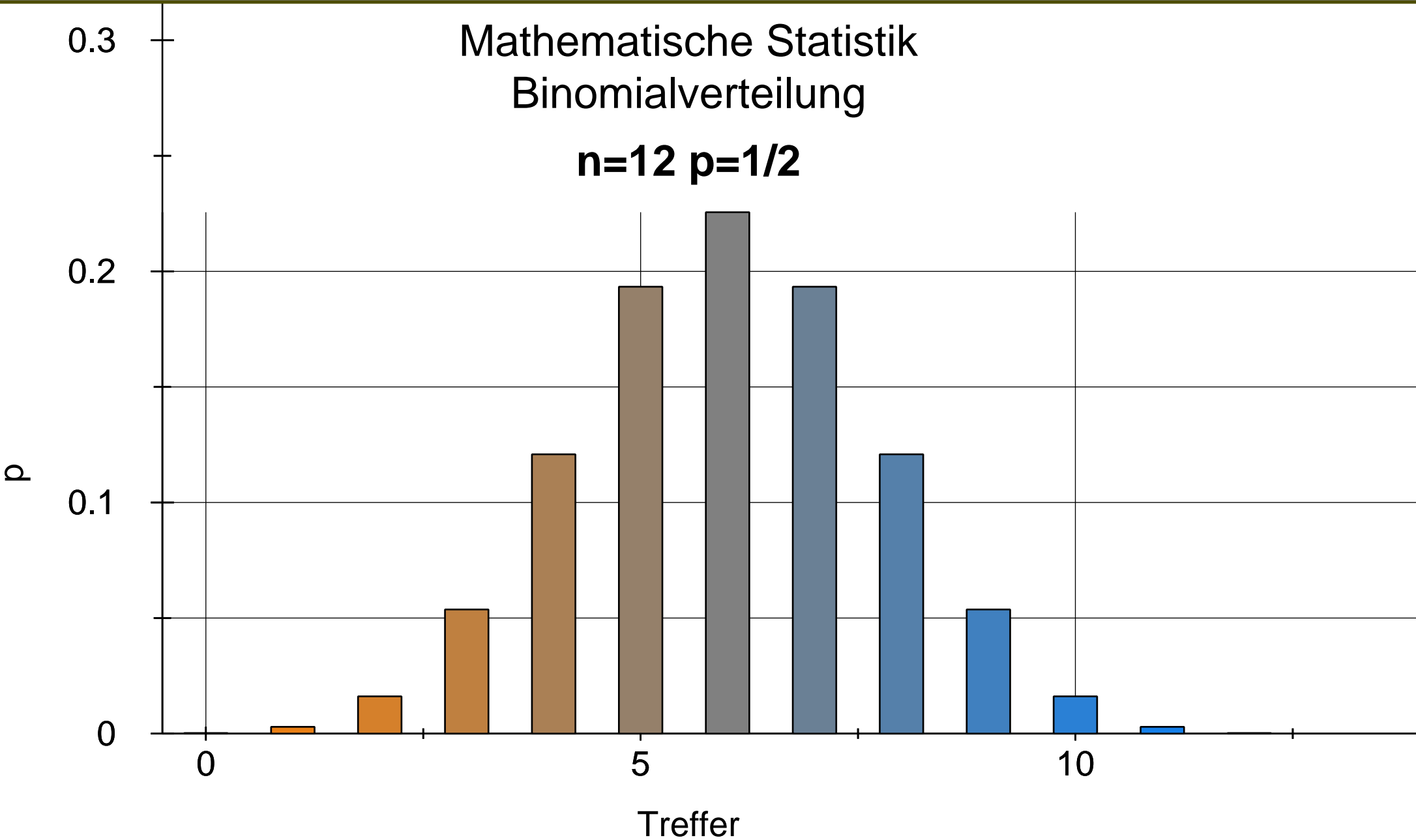
Binomialverteilung

$n=11$ $p=1/2$



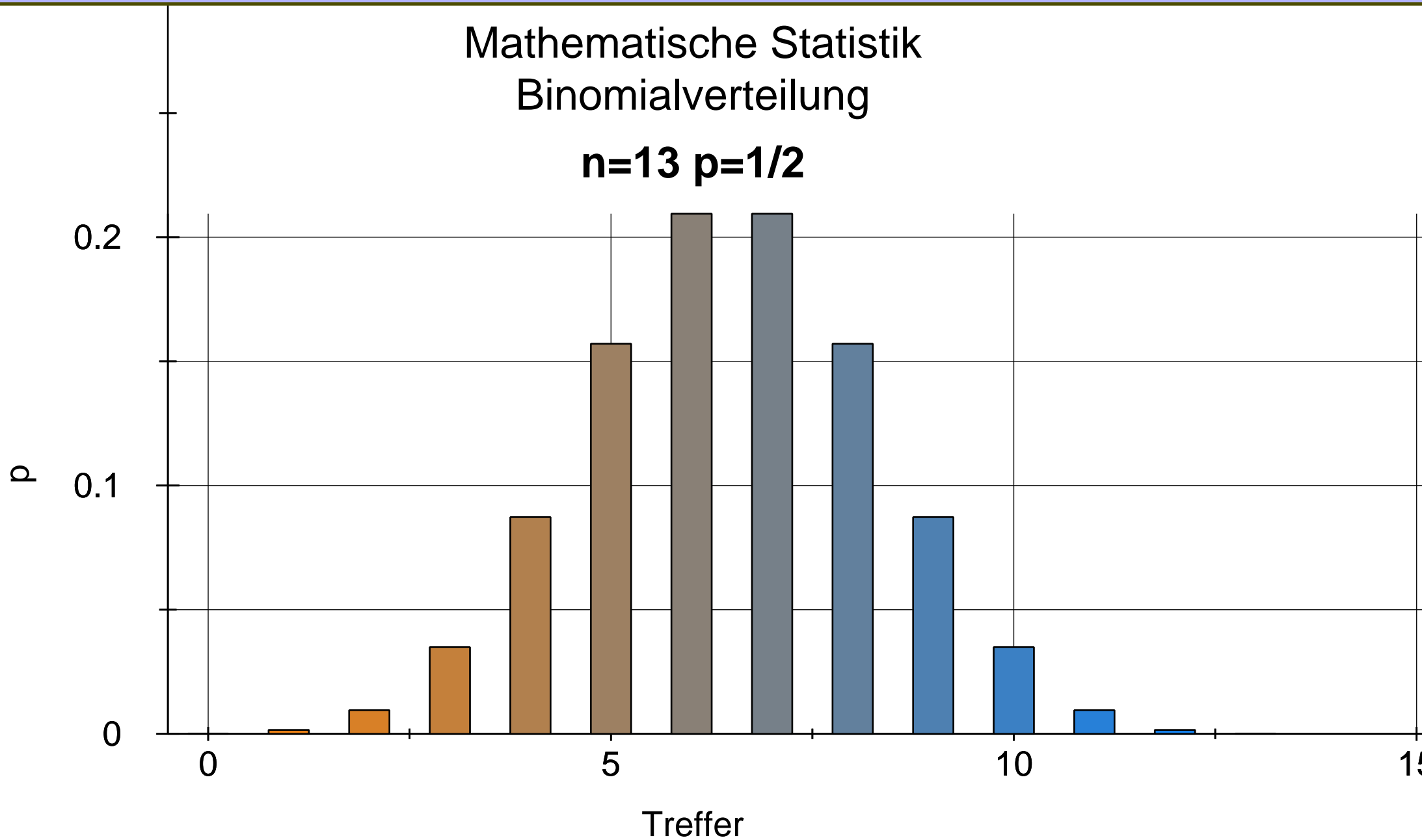
Mathematische Statistik
Binomialverteilung

n=12 p=1/2



Mathematische Statistik
Binomialverteilung

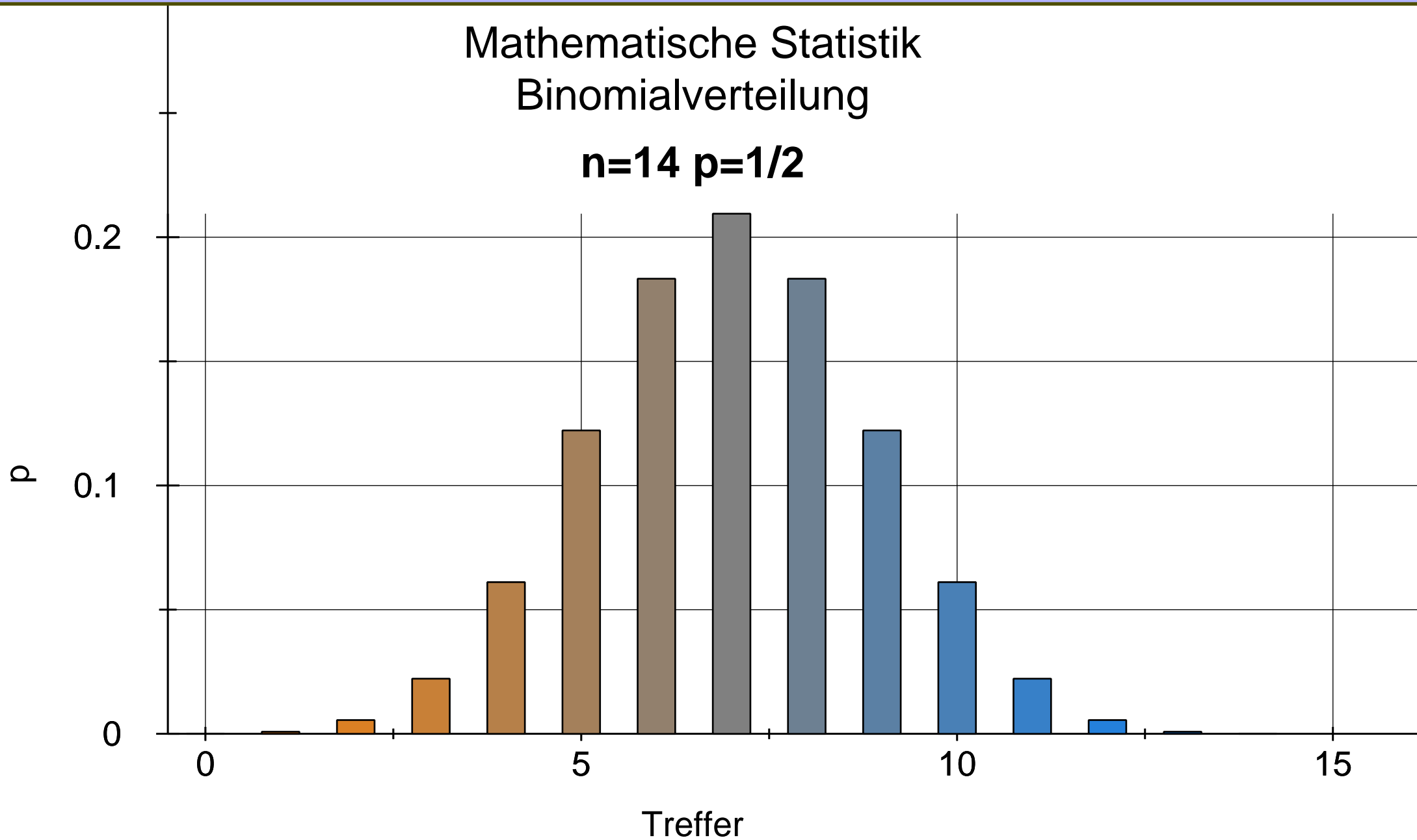
n=13 p=1/2



Mathematische Statistik

Binomialverteilung

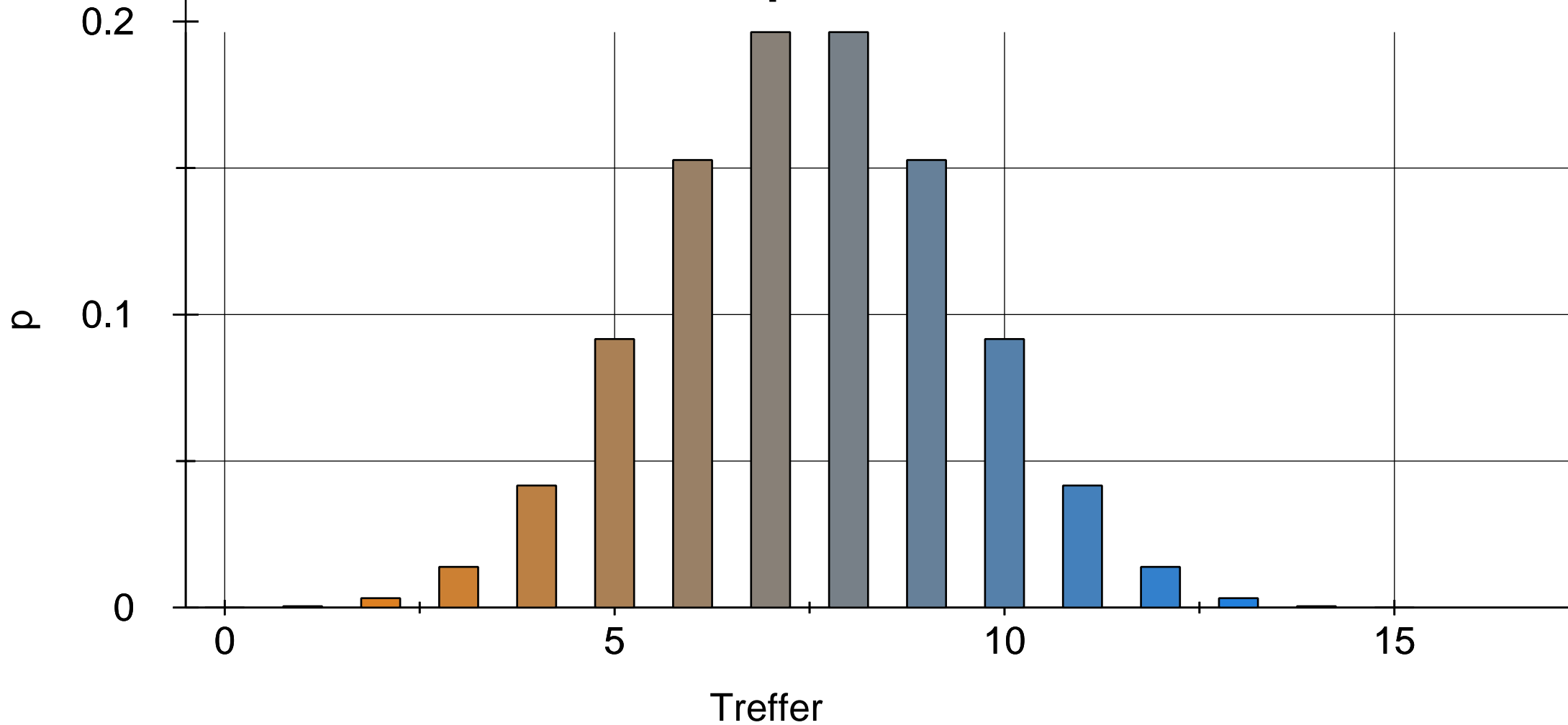
$n=14$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=15$ $p=1/2$



Mathematische Statistik

Binomialverteilung

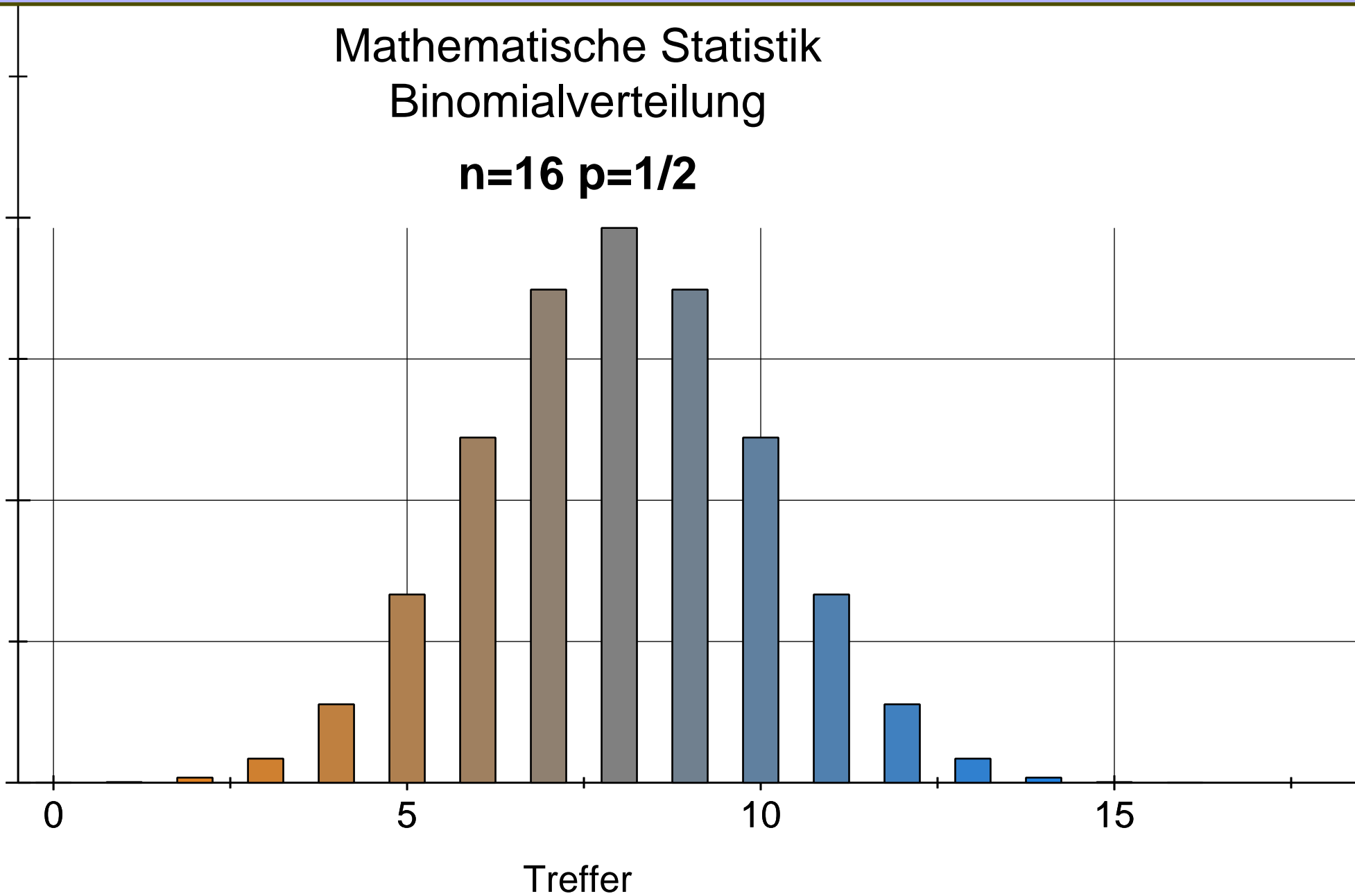
n=16 p=1/2

p

0.2

0.1

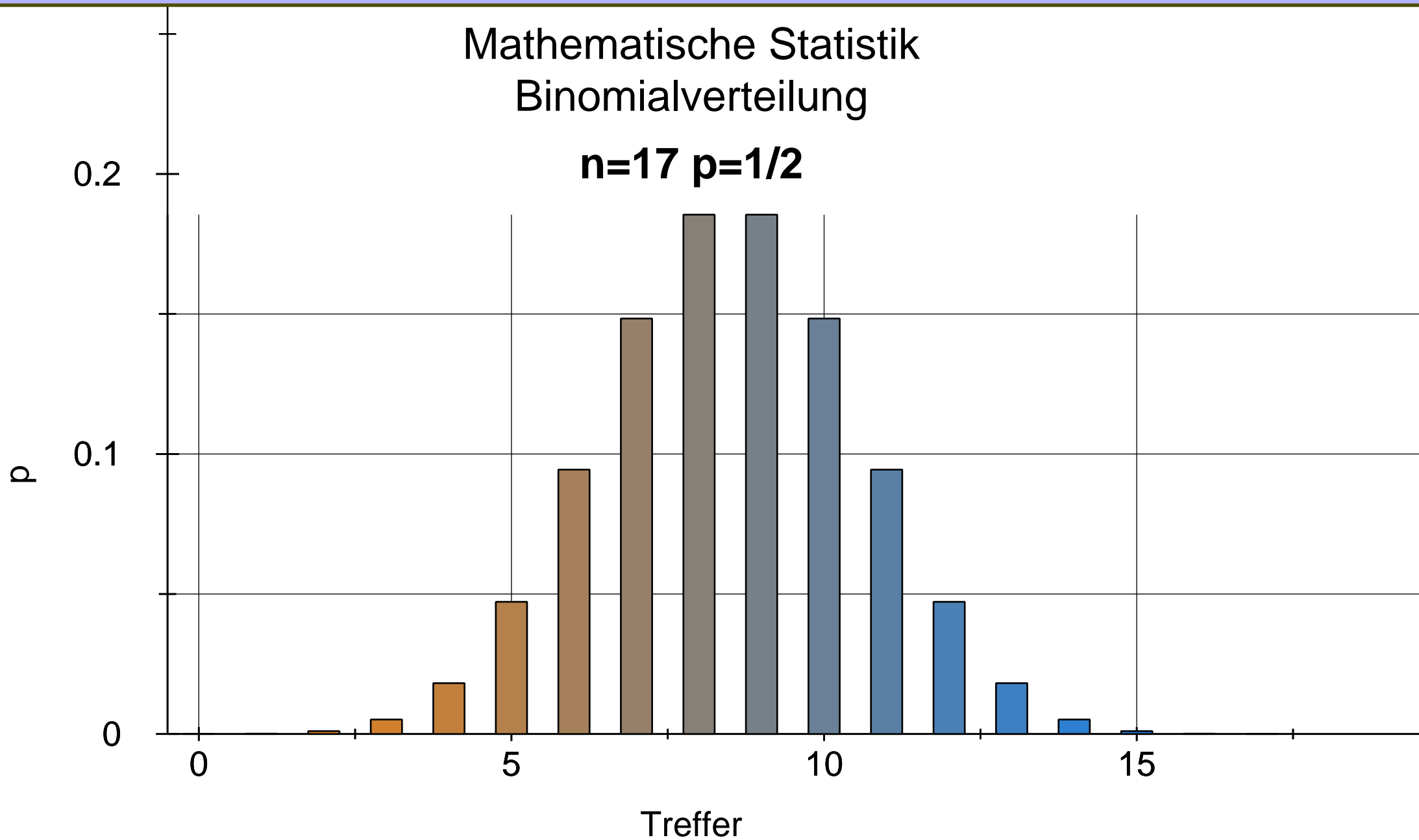
0



Mathematische Statistik

Binomialverteilung

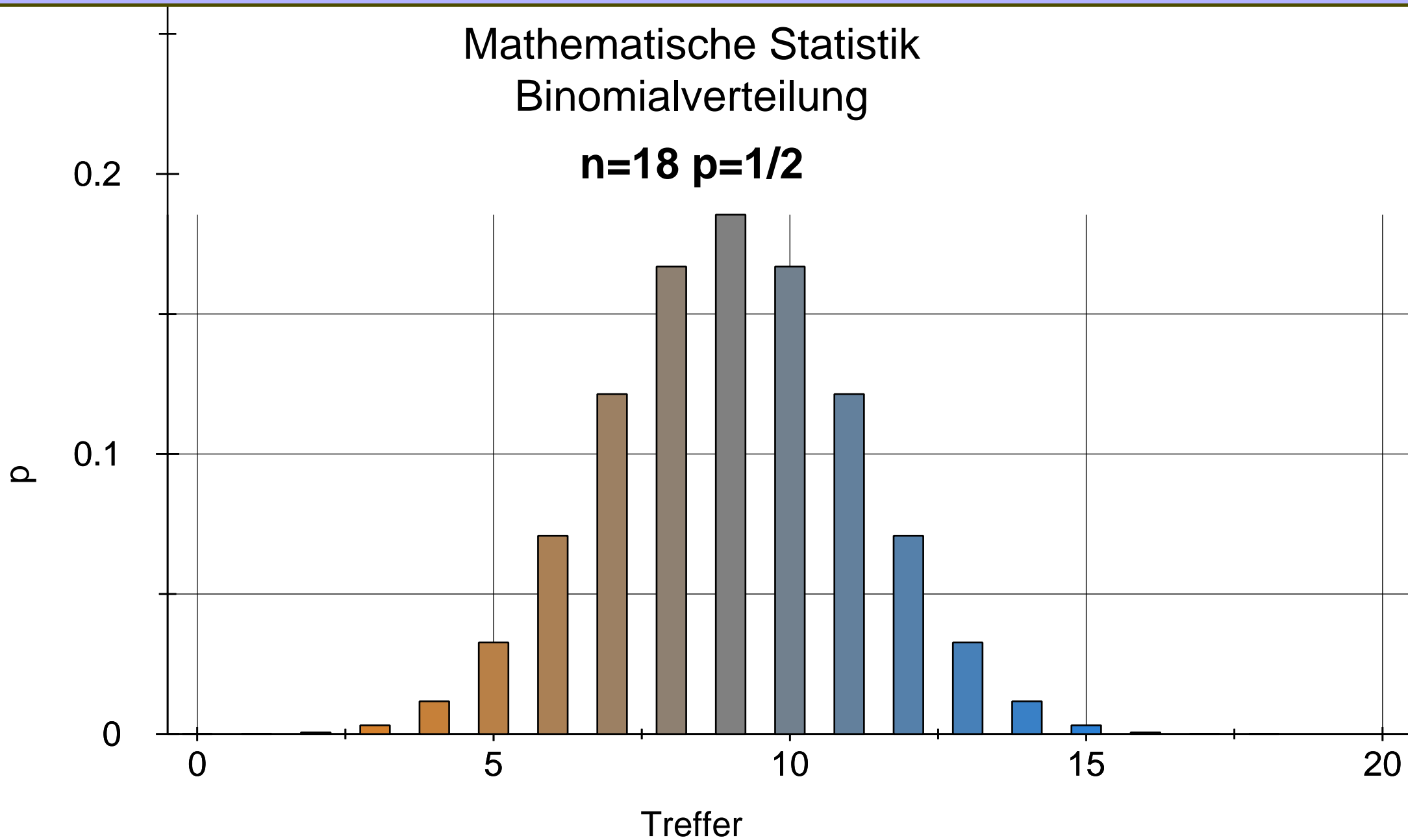
$n=17$ $p=1/2$



Mathematische Statistik

Binomialverteilung

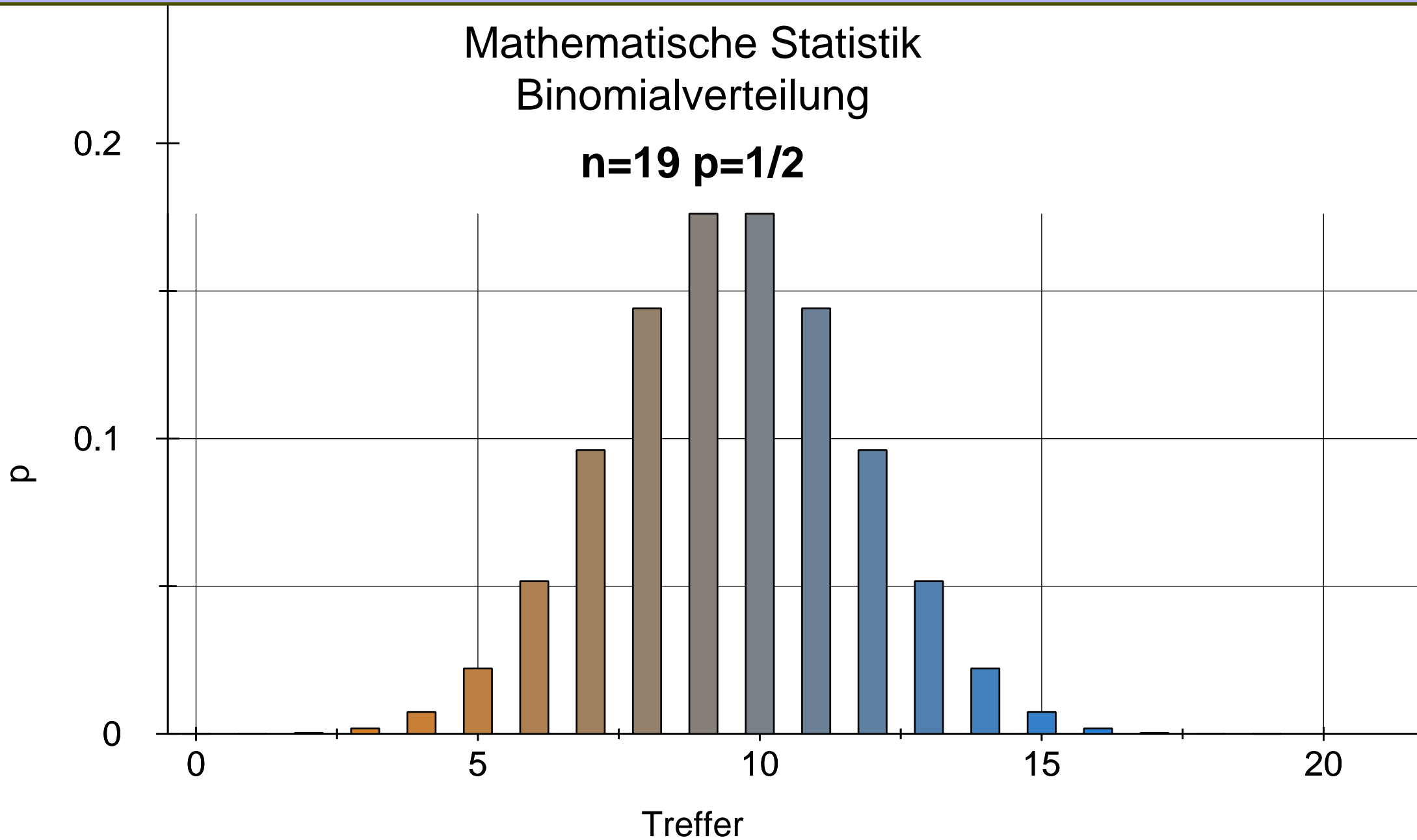
$n=18$ $p=1/2$



Mathematische Statistik

Binomialverteilung

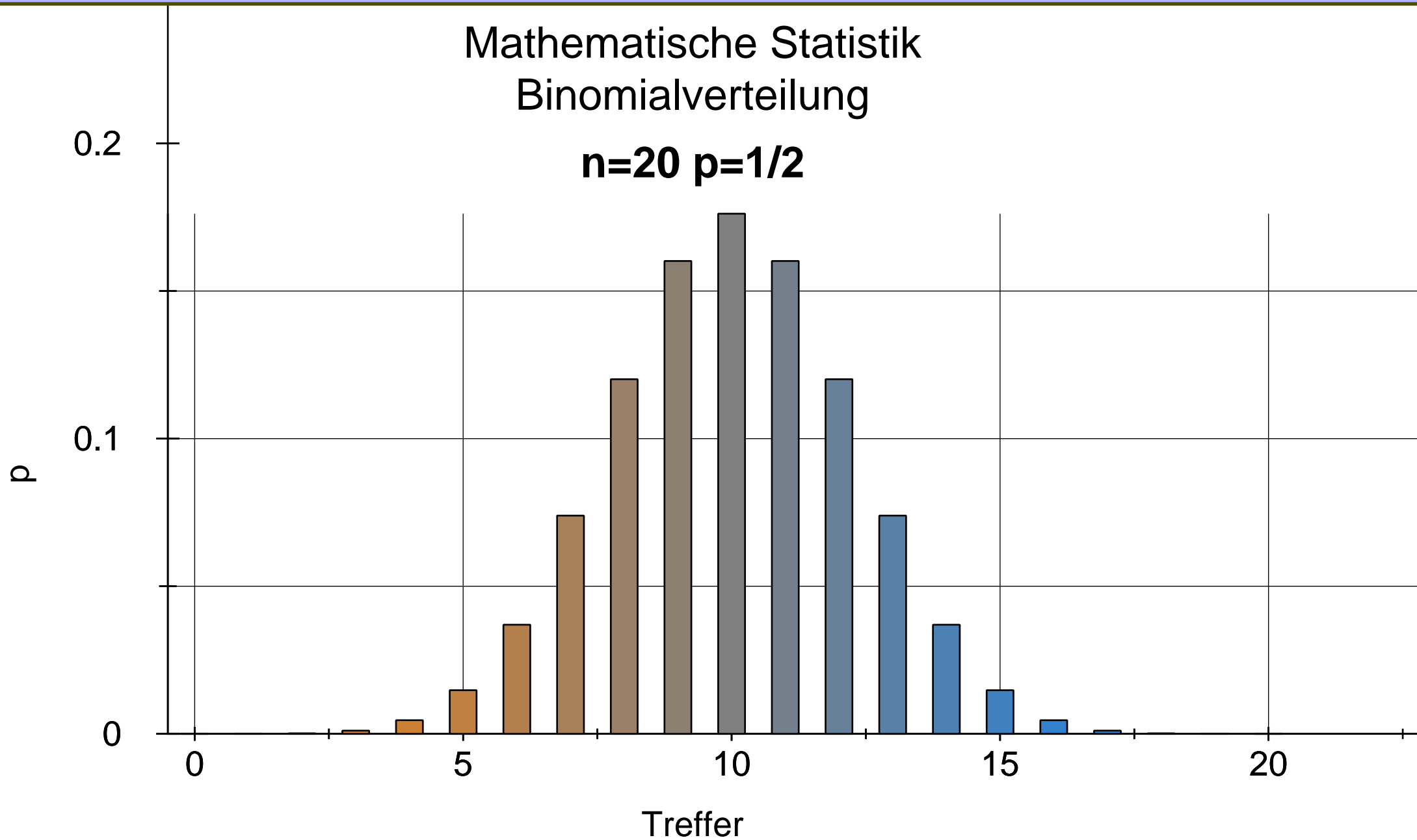
$n=19$ $p=1/2$



Mathematische Statistik

Binomialverteilung

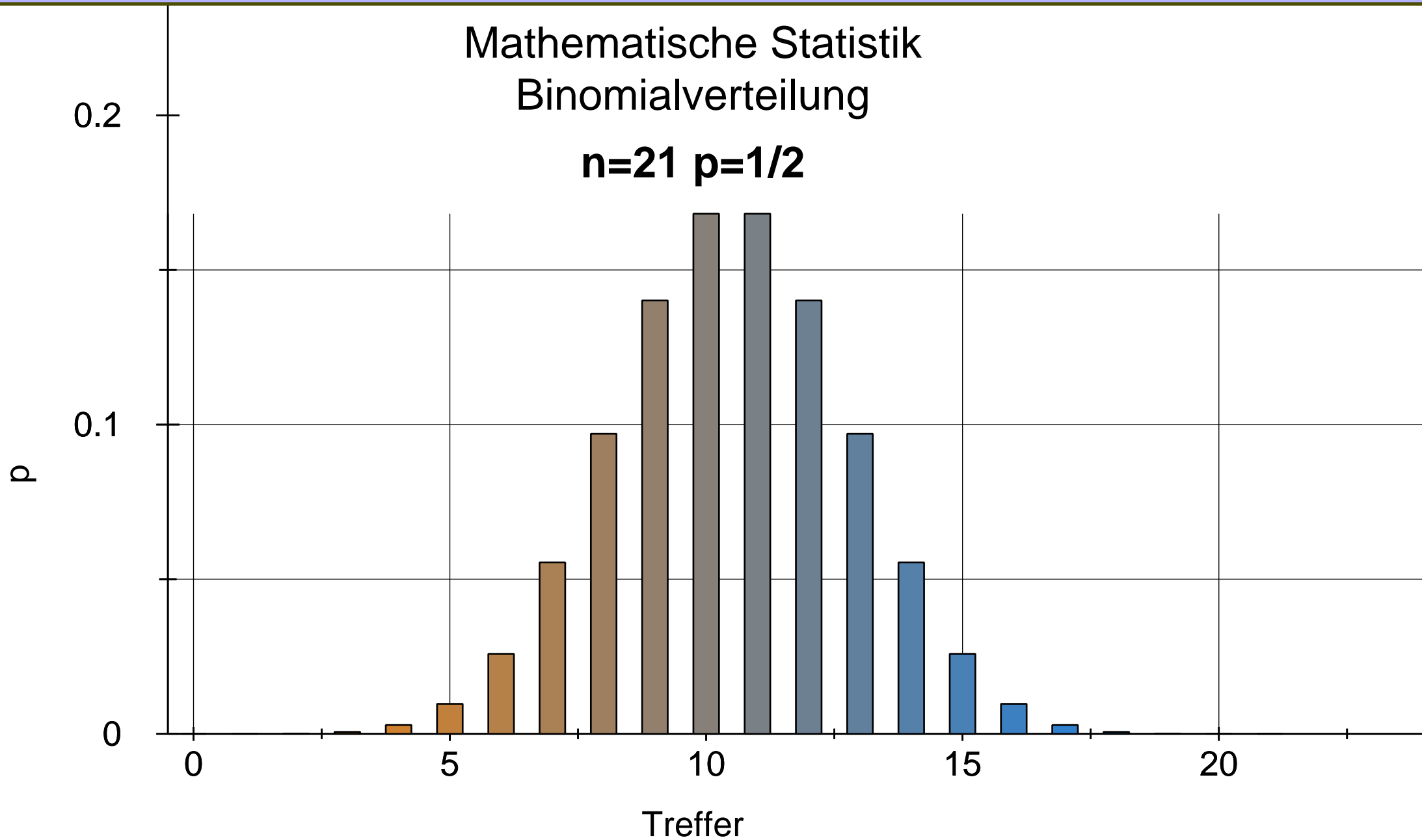
$n=20$ $p=1/2$



Mathematische Statistik

Binomialverteilung

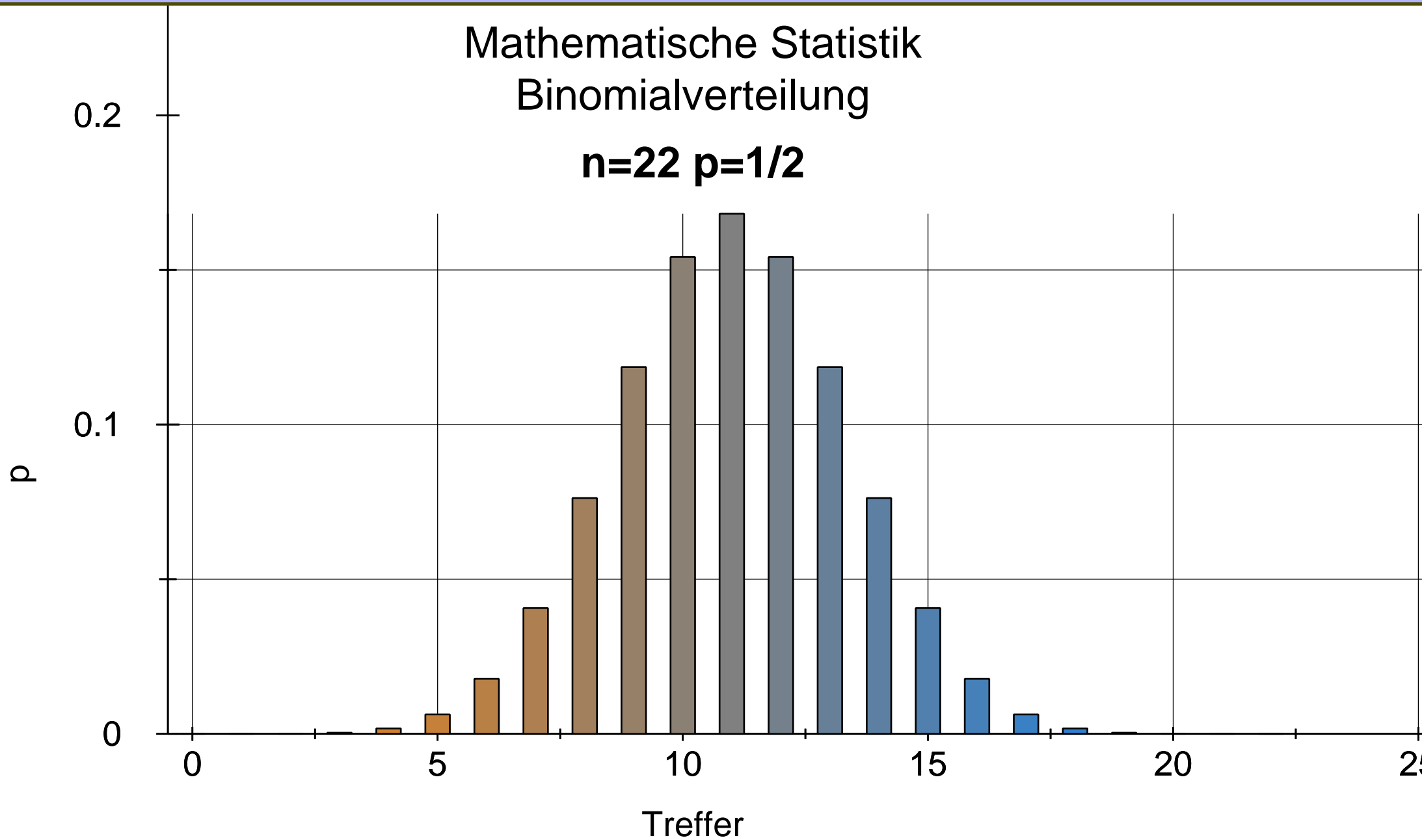
$n=21$ $p=1/2$



Mathematische Statistik

Binomialverteilung

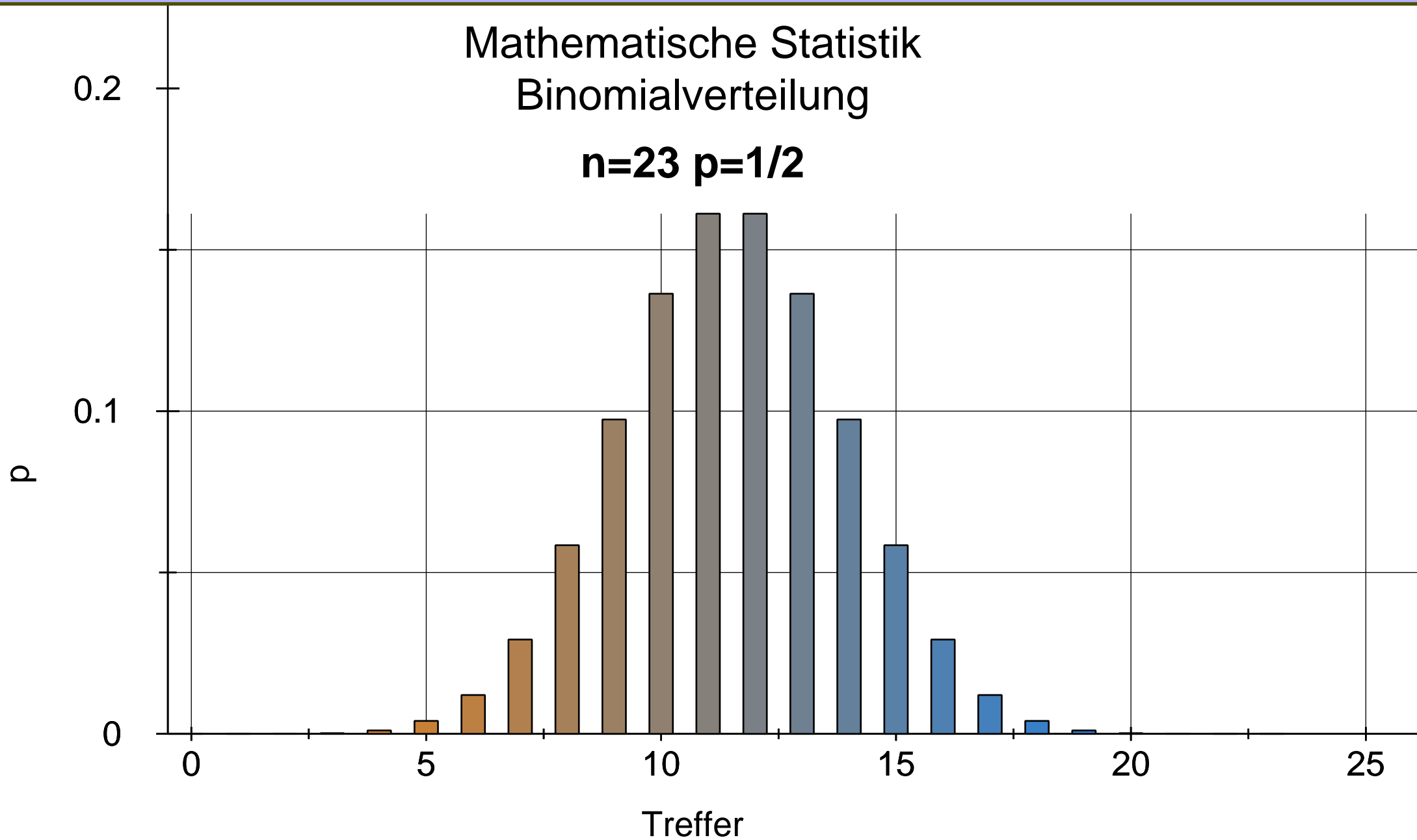
n=22 p=1/2



Mathematische Statistik

Binomialverteilung

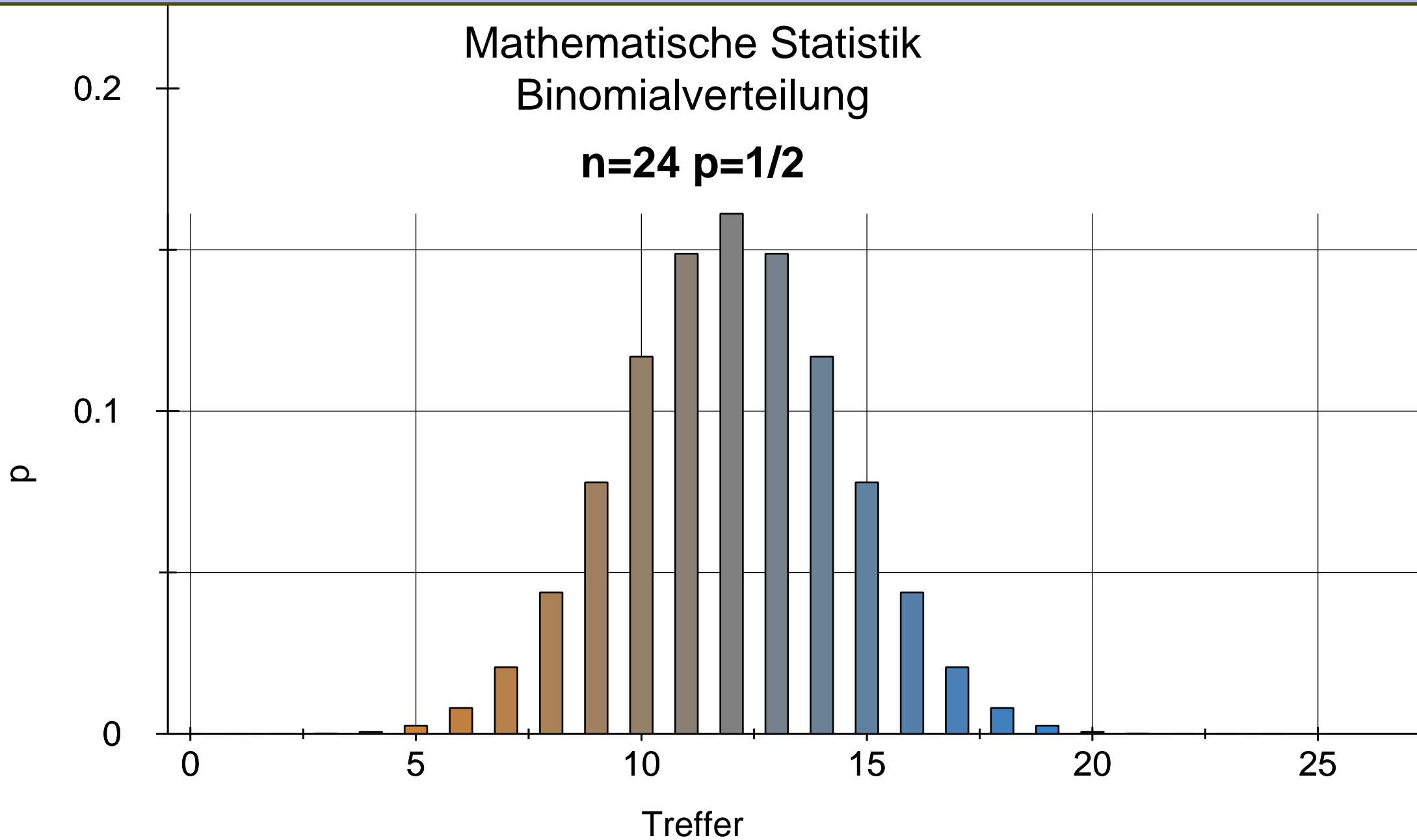
$n=23$ $p=1/2$



Mathematische Statistik

Binomialverteilung

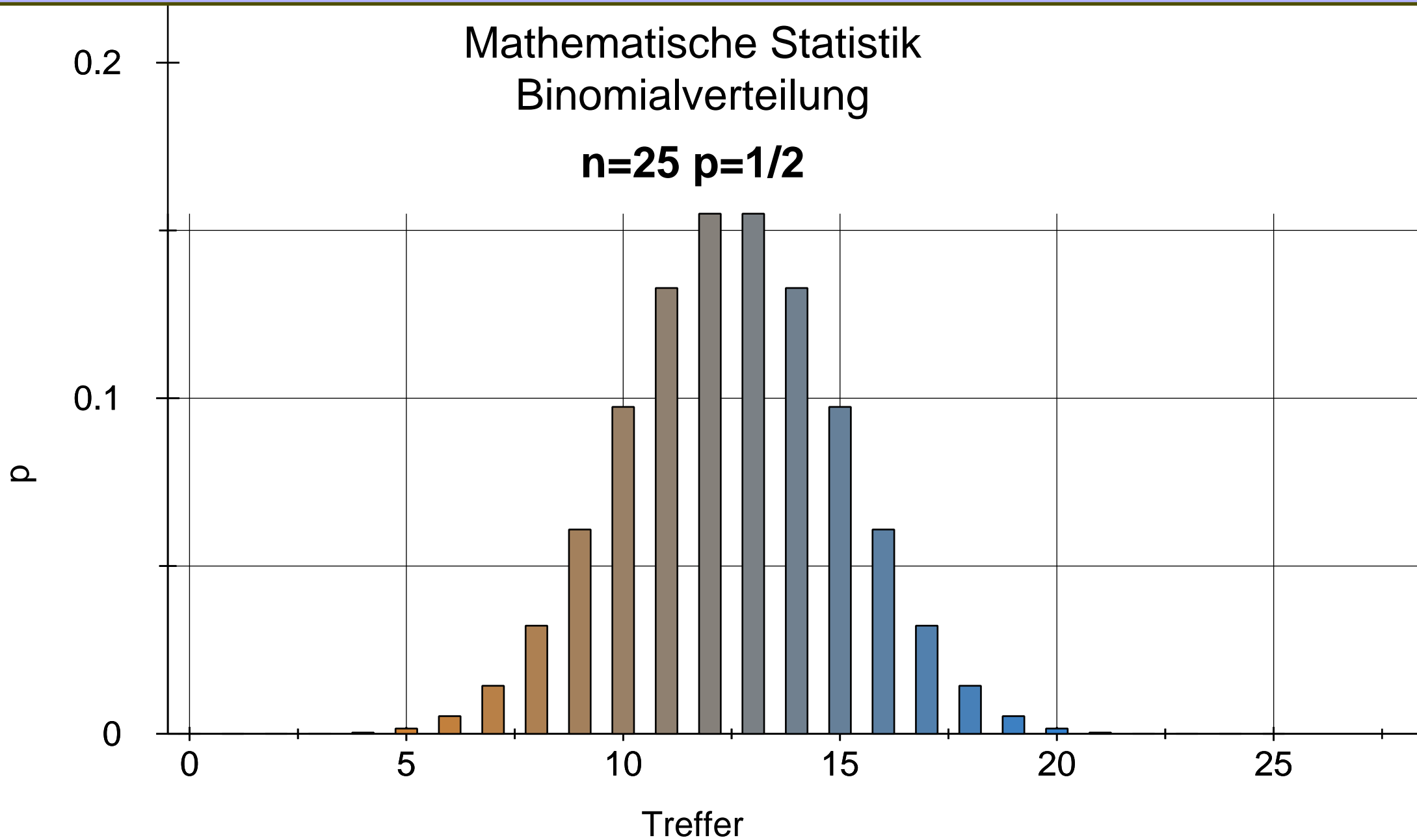
$n=24$ $p=1/2$



Mathematische Statistik

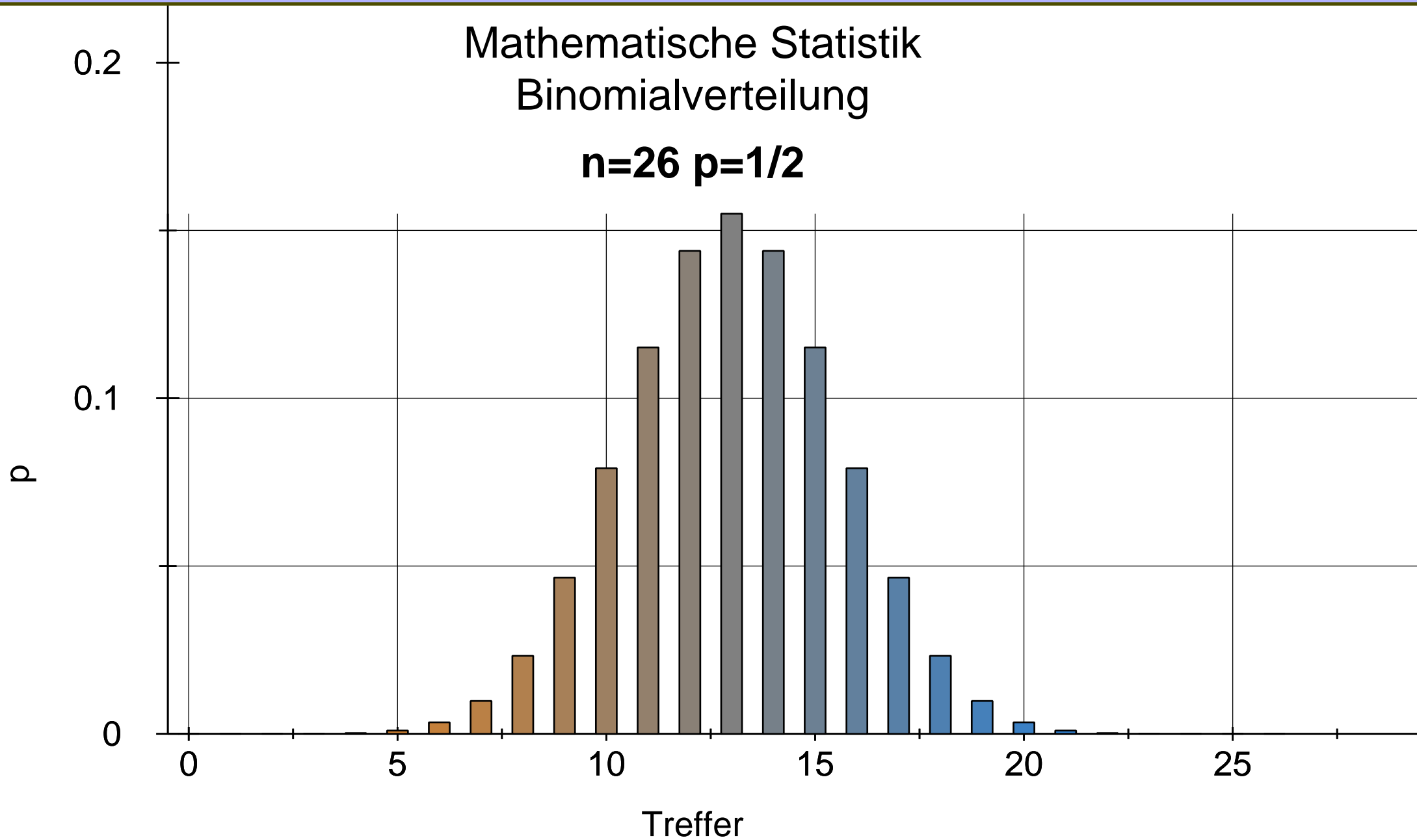
Binomialverteilung

$n=25$ $p=1/2$



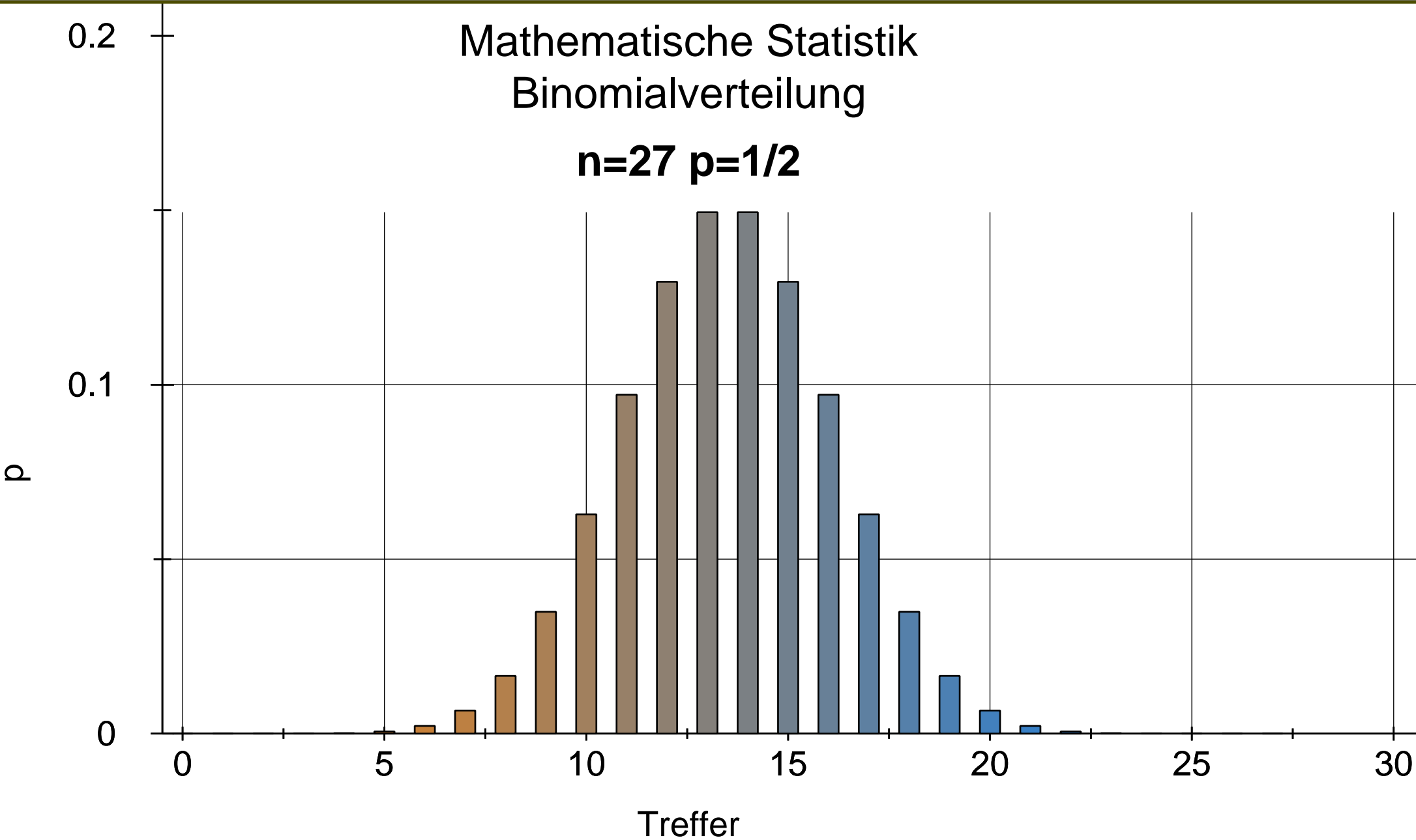
Mathematische Statistik Binomialverteilung

n=26 p=1/2



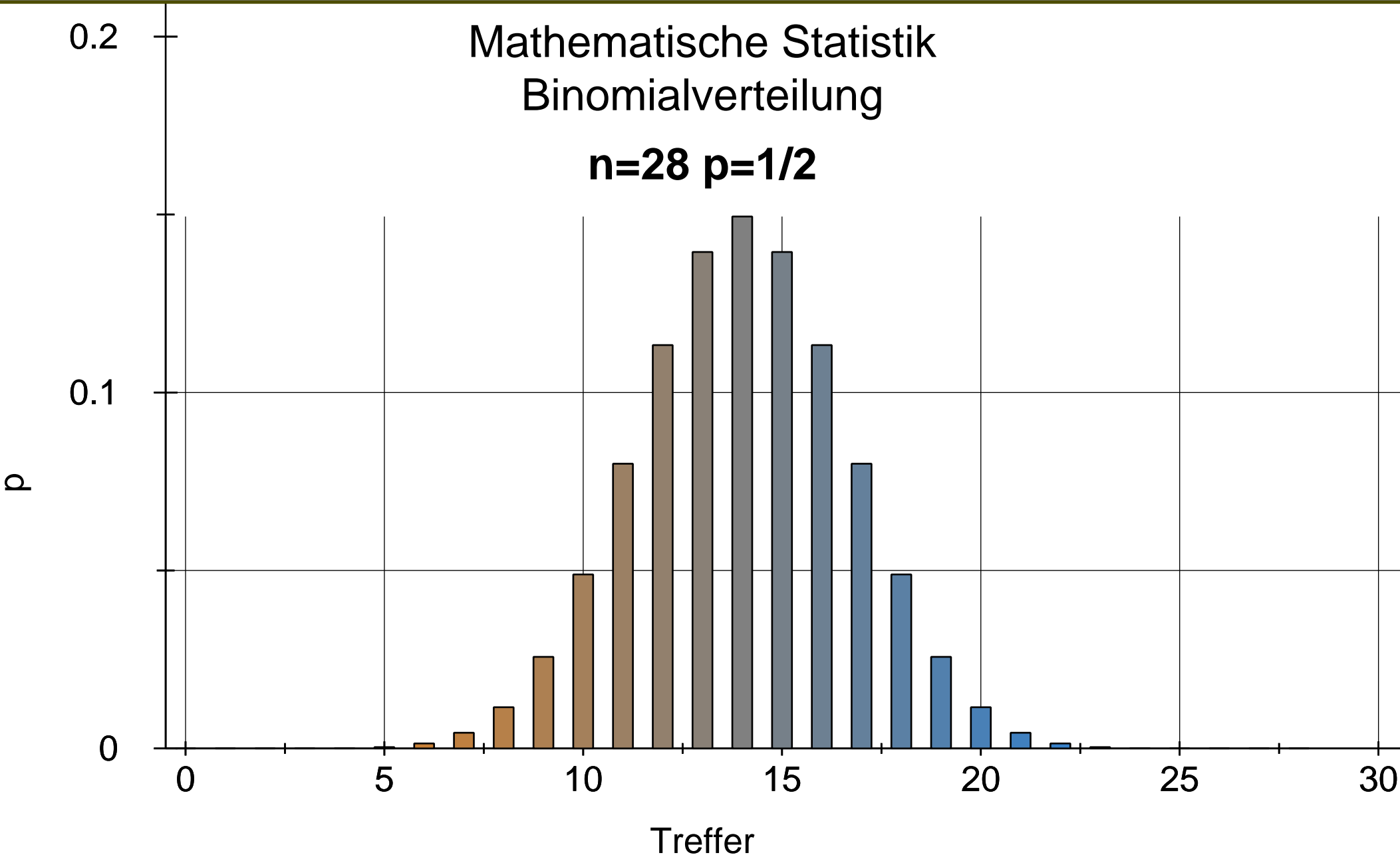
Mathematische Statistik
Binomialverteilung

n=27 p=1/2



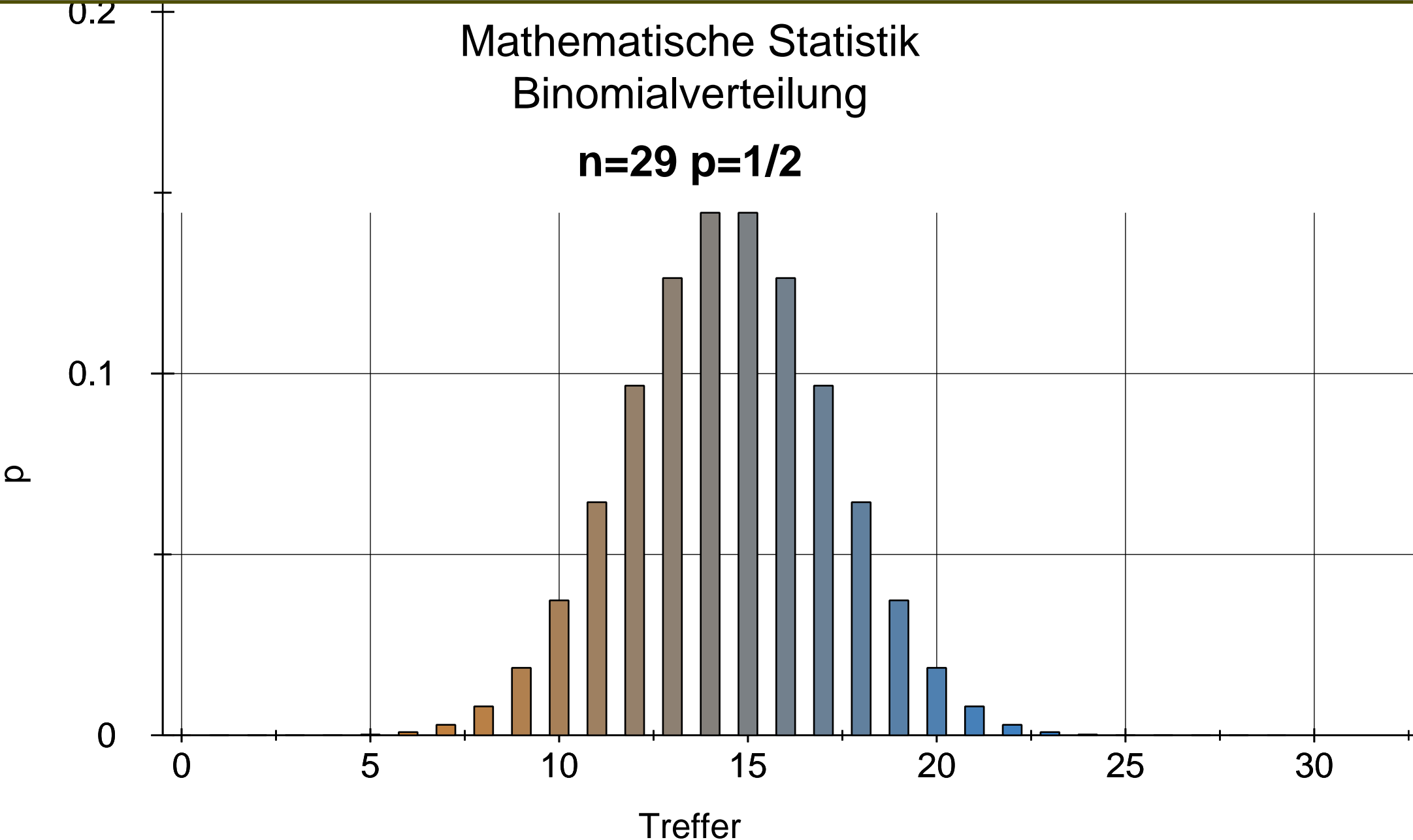
Mathematische Statistik Binomialverteilung

n=28 p=1/2



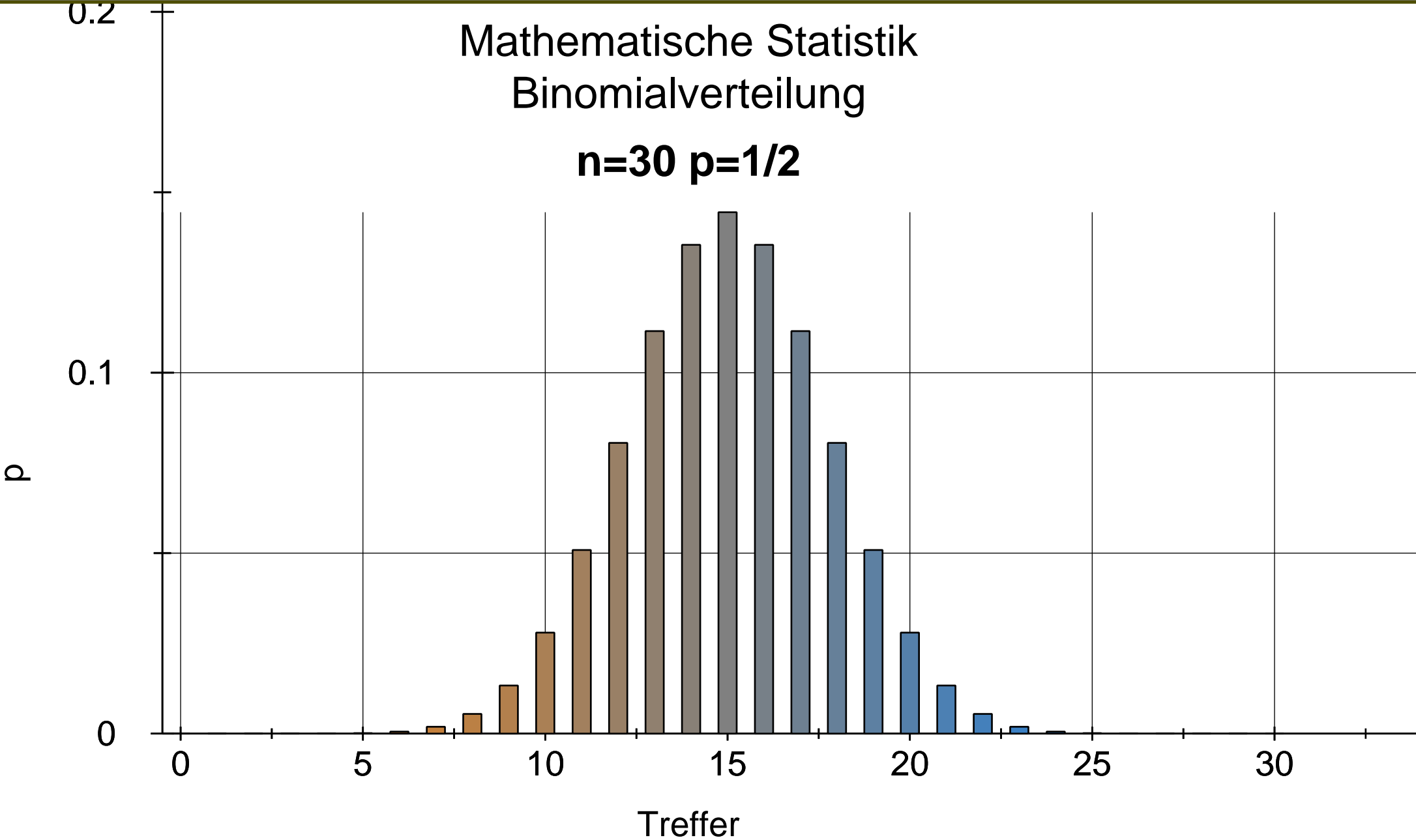
Mathematische Statistik
Binomialverteilung

n=29 p=1/2



Mathematische Statistik
Binomialverteilung

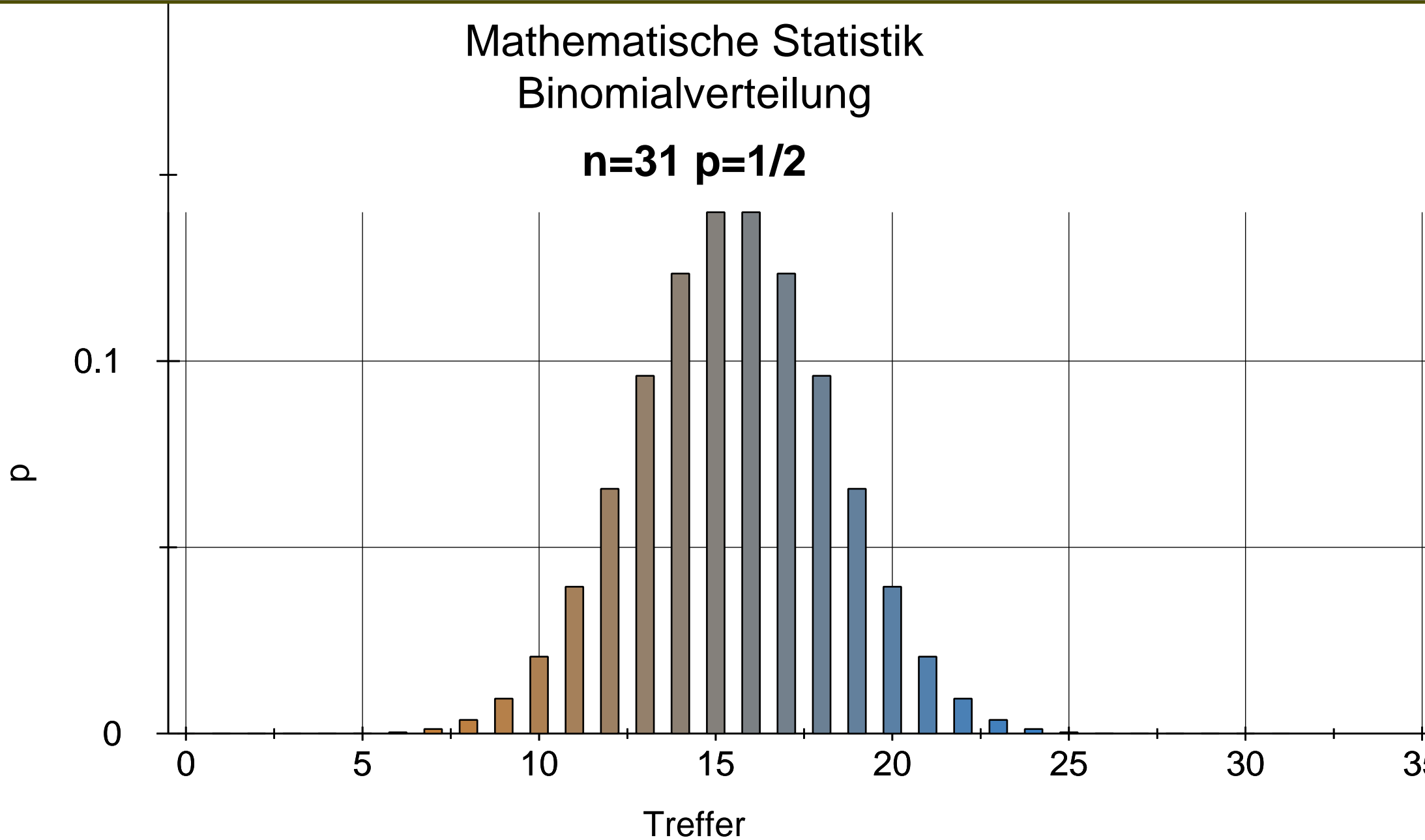
n=30 p=1/2



Mathematische Statistik

Binomialverteilung

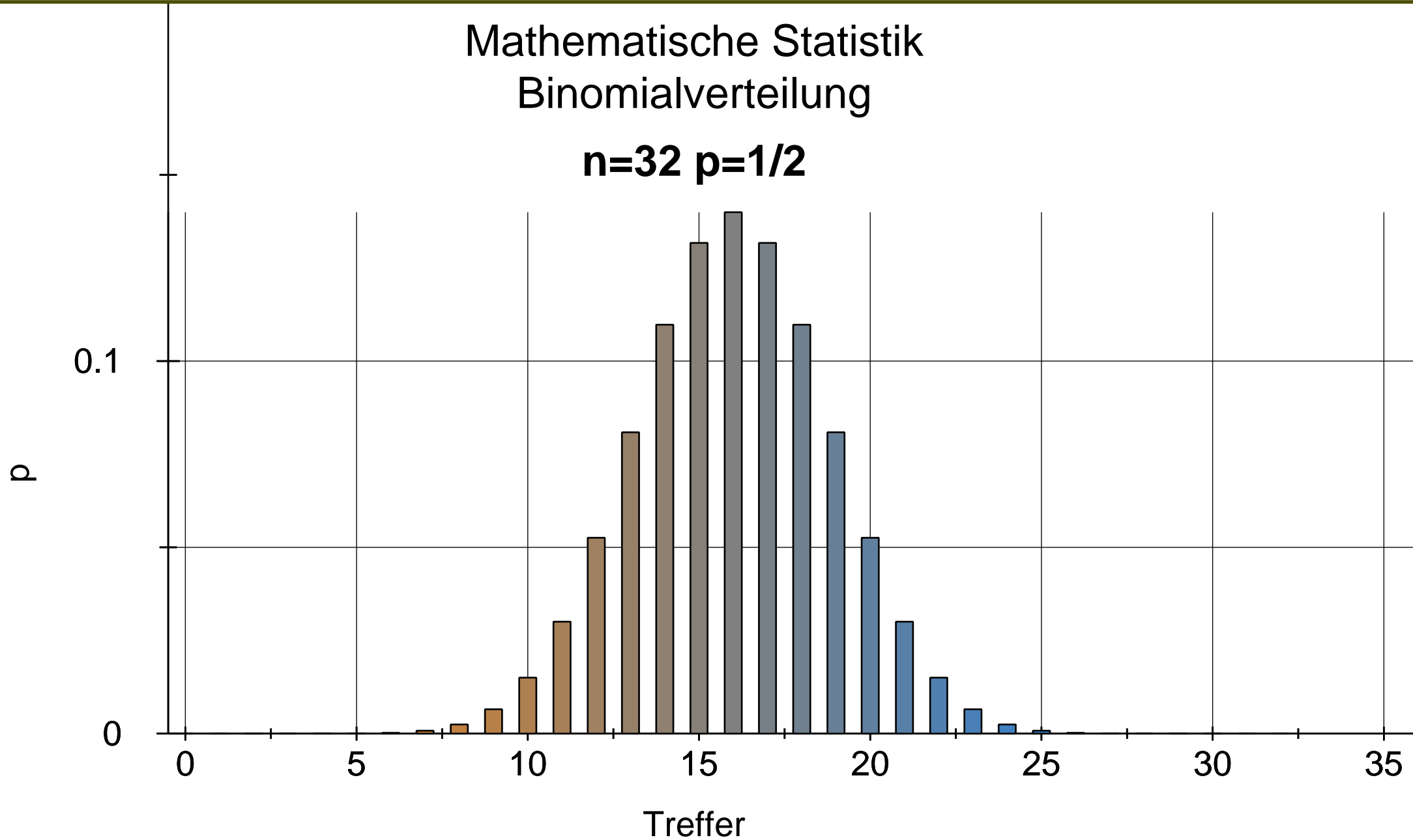
$n=31$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=32$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=33$ $p=1/2$

p

0.1

0

0

5

10

15

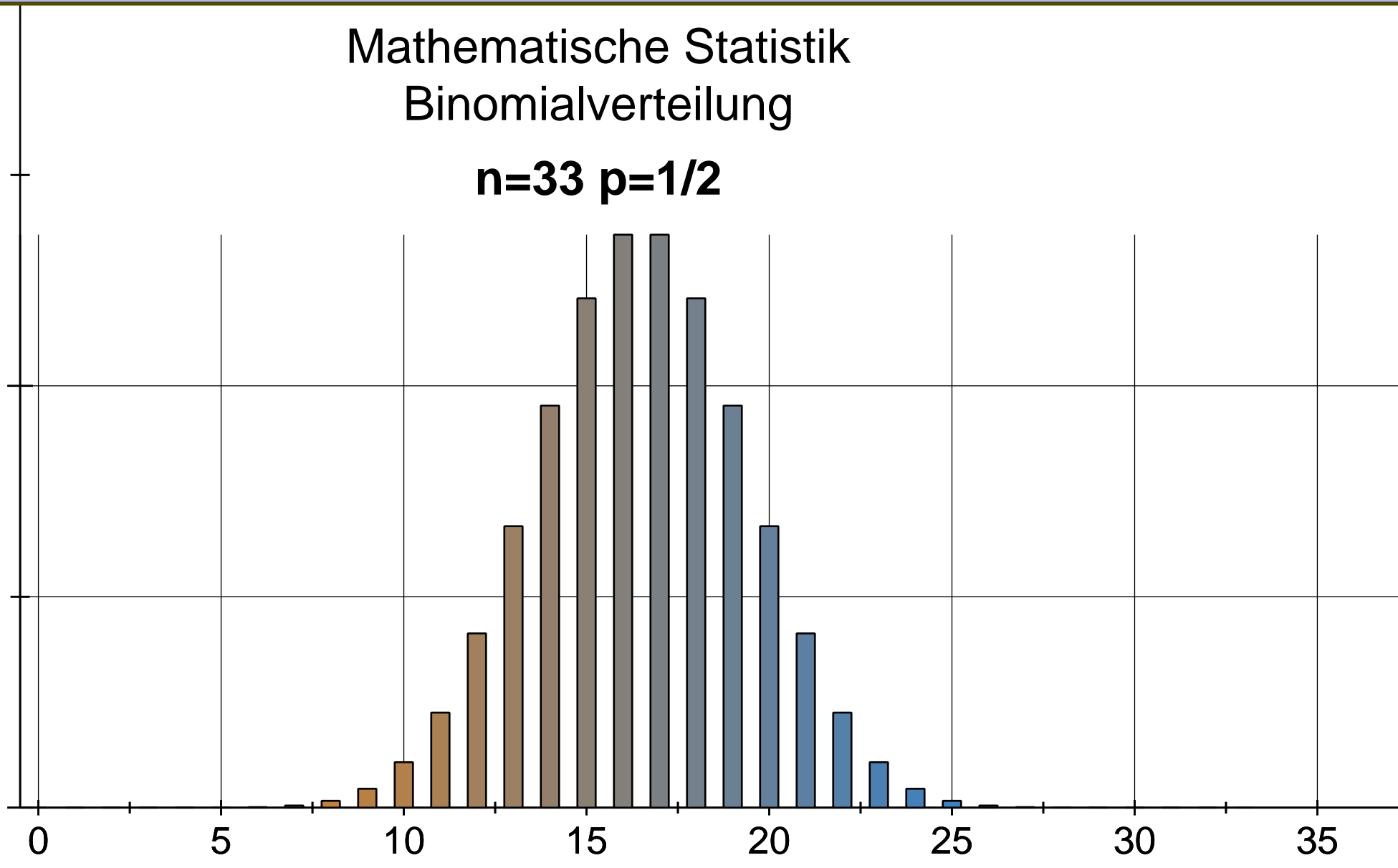
20

25

30

35

Treffer



Mathematische Statistik

Binomialverteilung

$n=34$ $p=1/2$

p

0.1

0

0

5

10

15

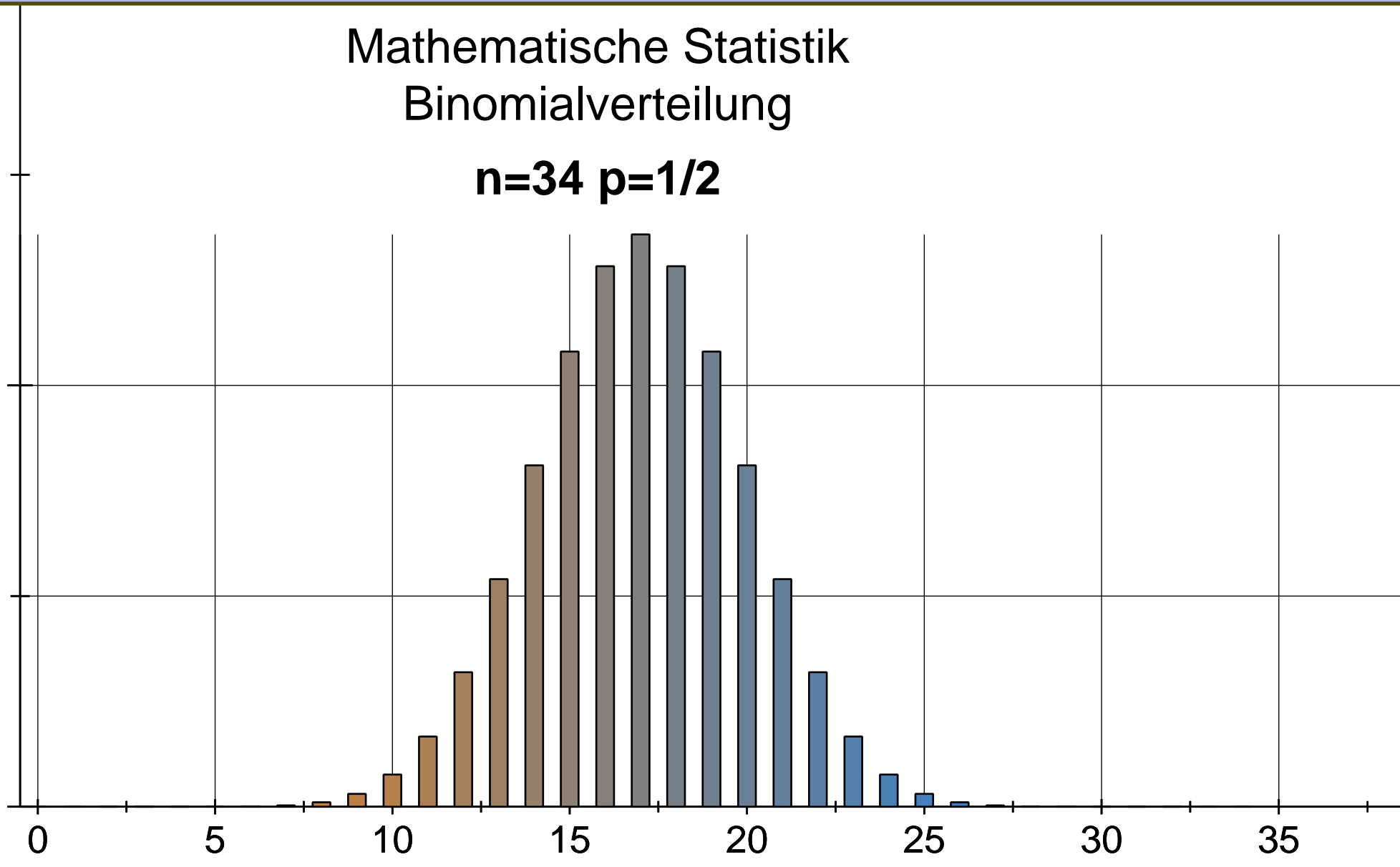
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25

30

35

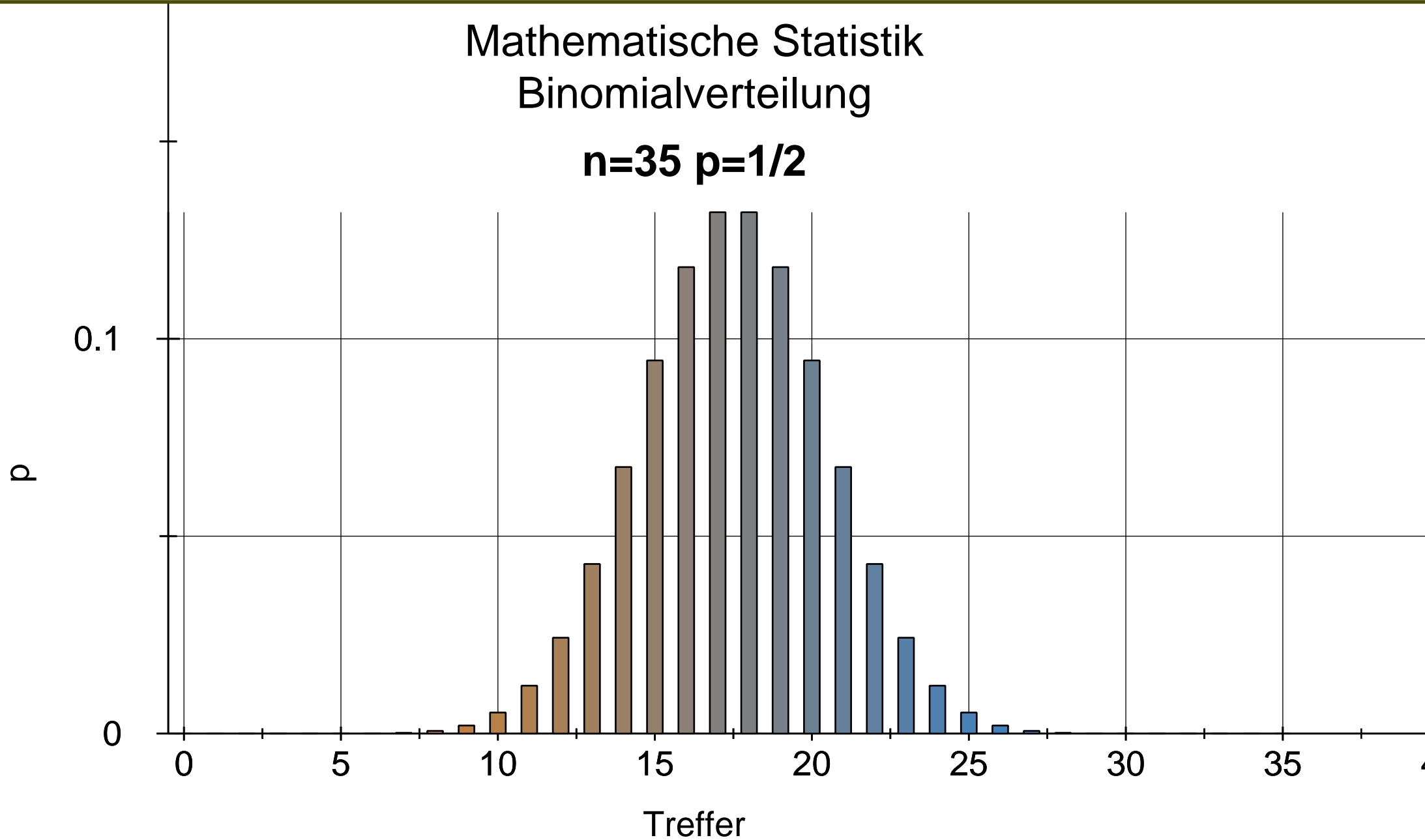
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Mathematische Statistik

Binomialverteilung

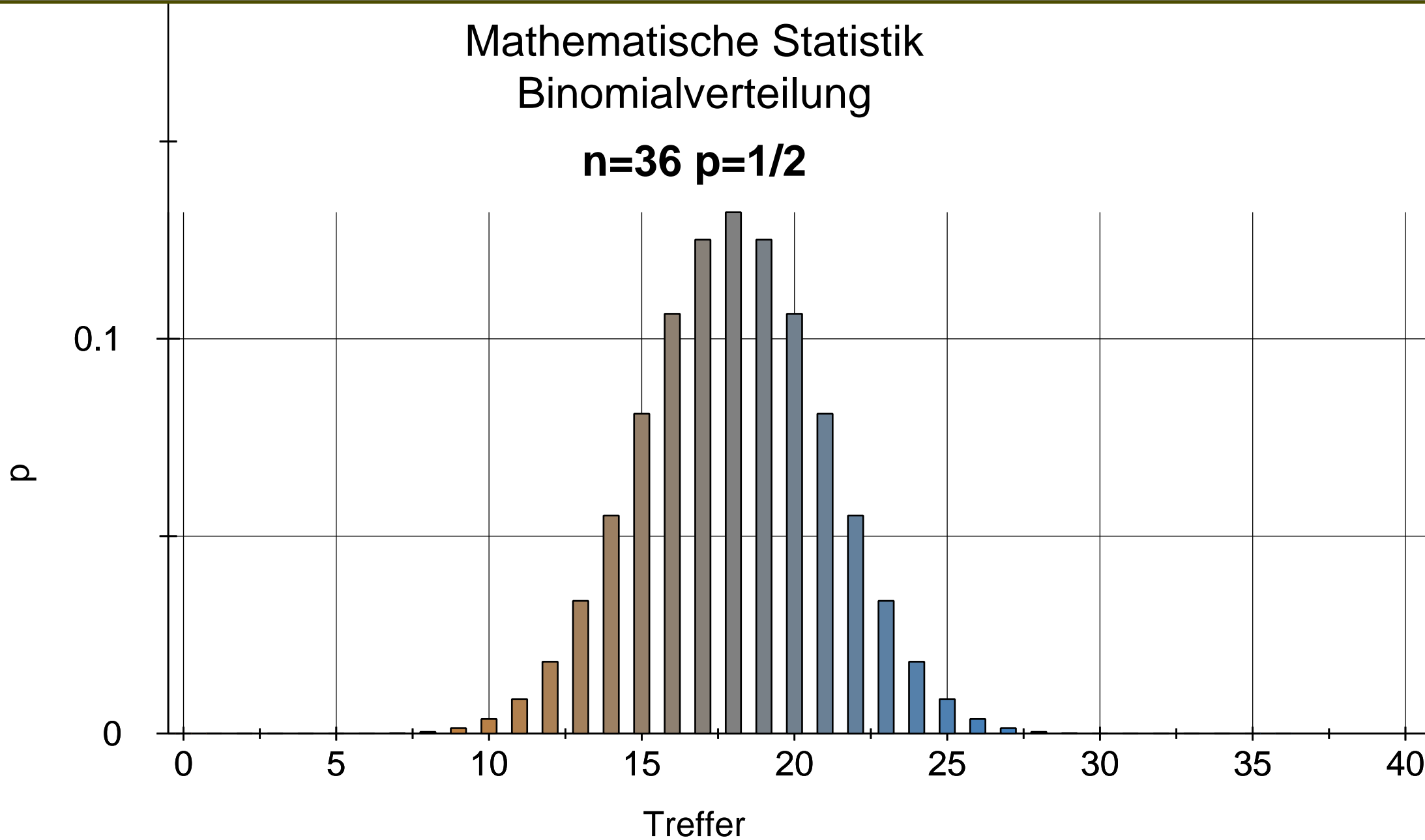
$n=35$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=36$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=37$ $p=1/2$

p

0.1

0

0

5

10

15

20

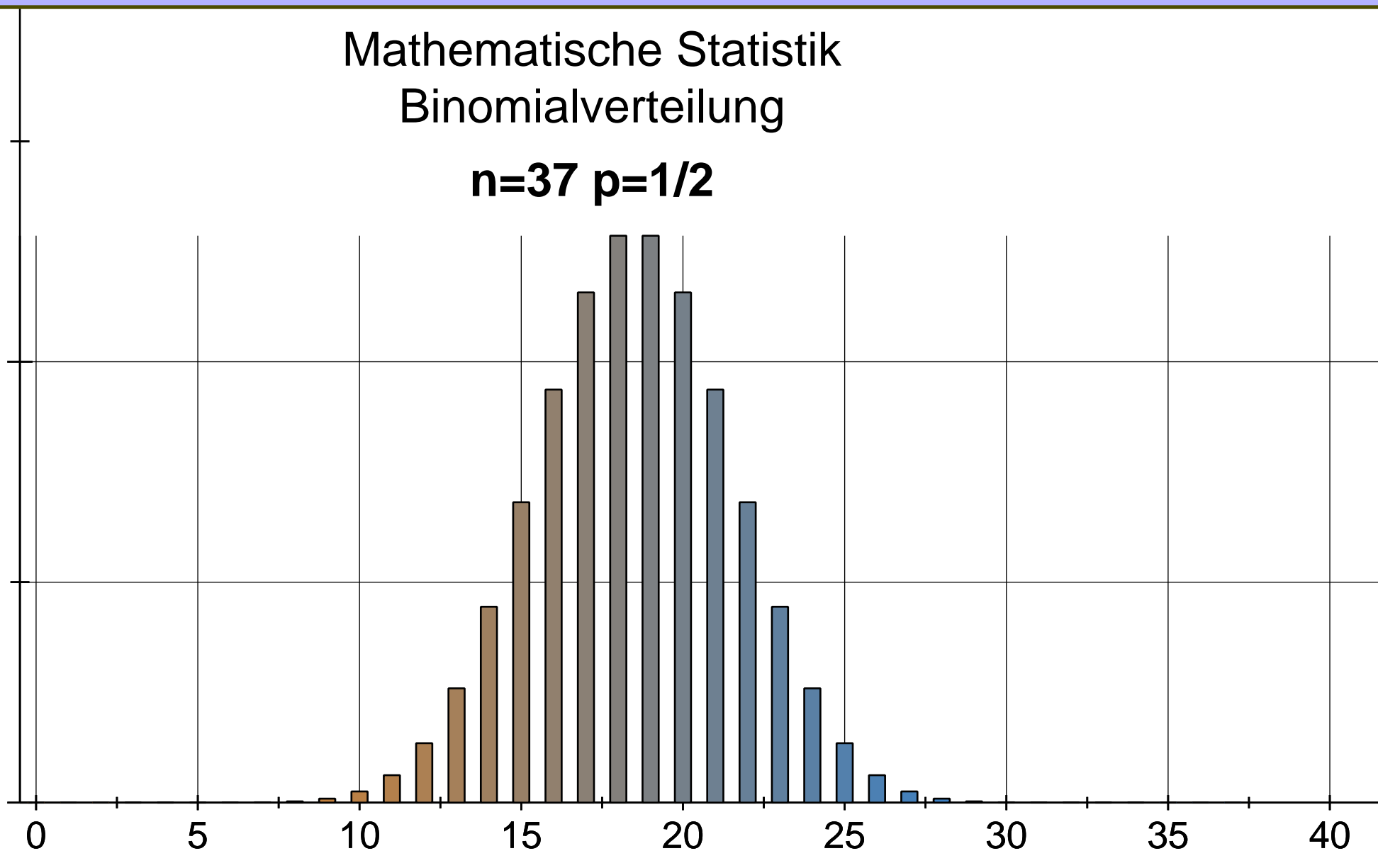
25

30

35

40

Treffer



Mathematische Statistik

Binomialverteilung

n=38 p=1/2

p

0.1

0

0

5

10

15

20

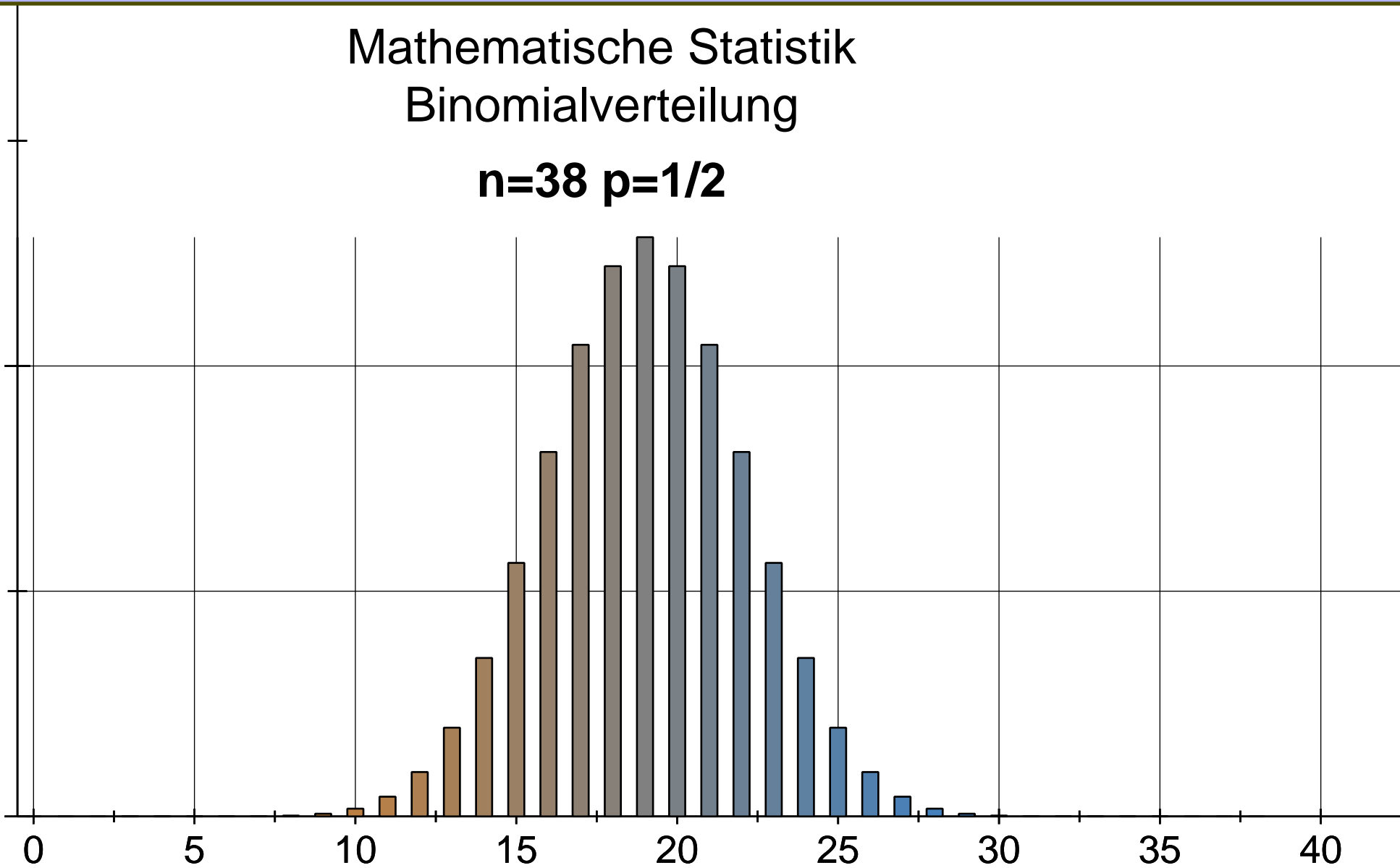
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30

35

40

Treffer



Mathematische Statistik

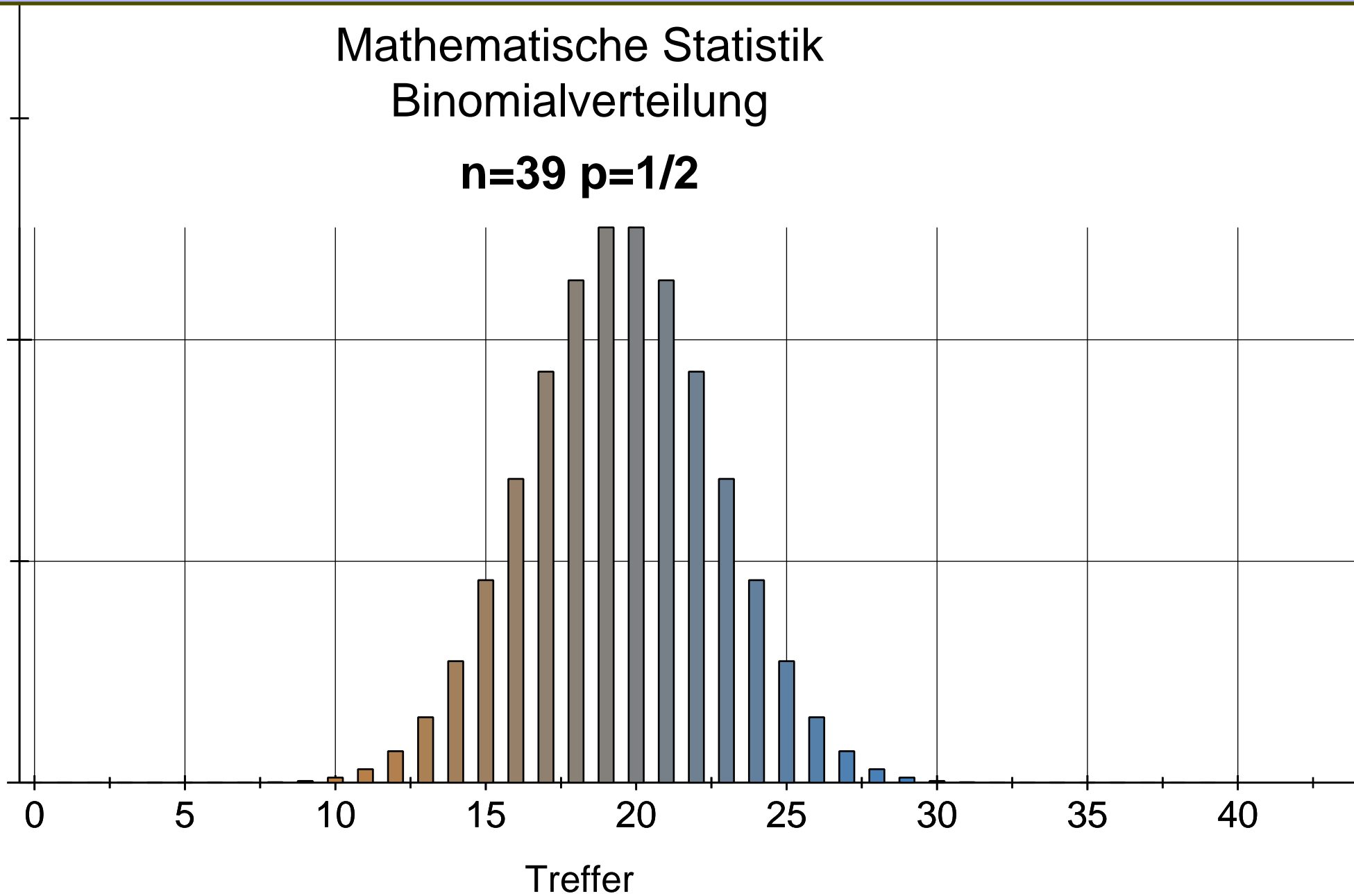
Binomialverteilung

n=39 p=1/2

p

0.1

0



Mathematische Statistik

Binomialverteilung

n=40 p=1/2

p

0.1

0

0

5

10

15

20

25

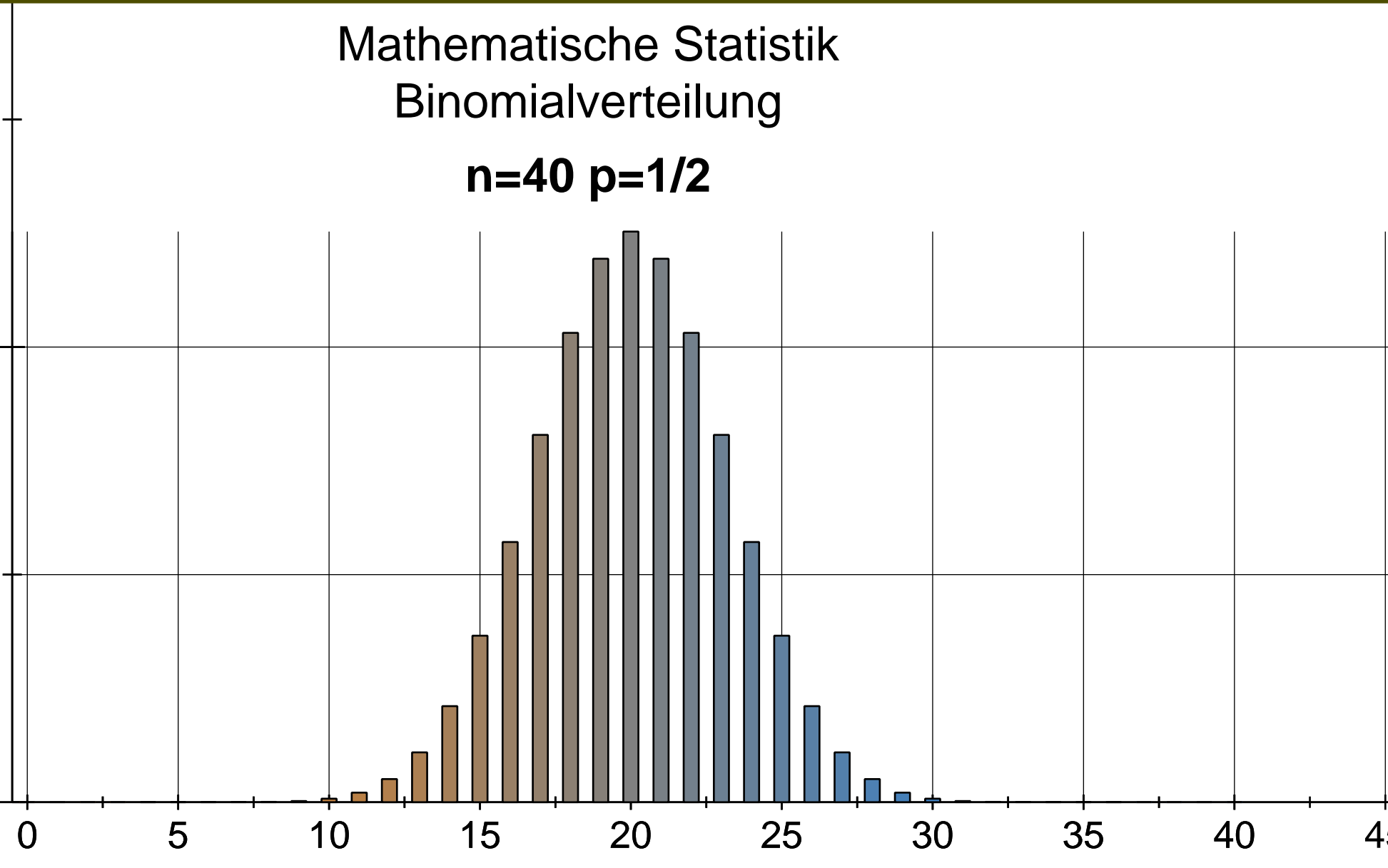
30

35

40

4

Treffer



Mathematische Statistik

Binomialverteilung

n=41 p=1/2

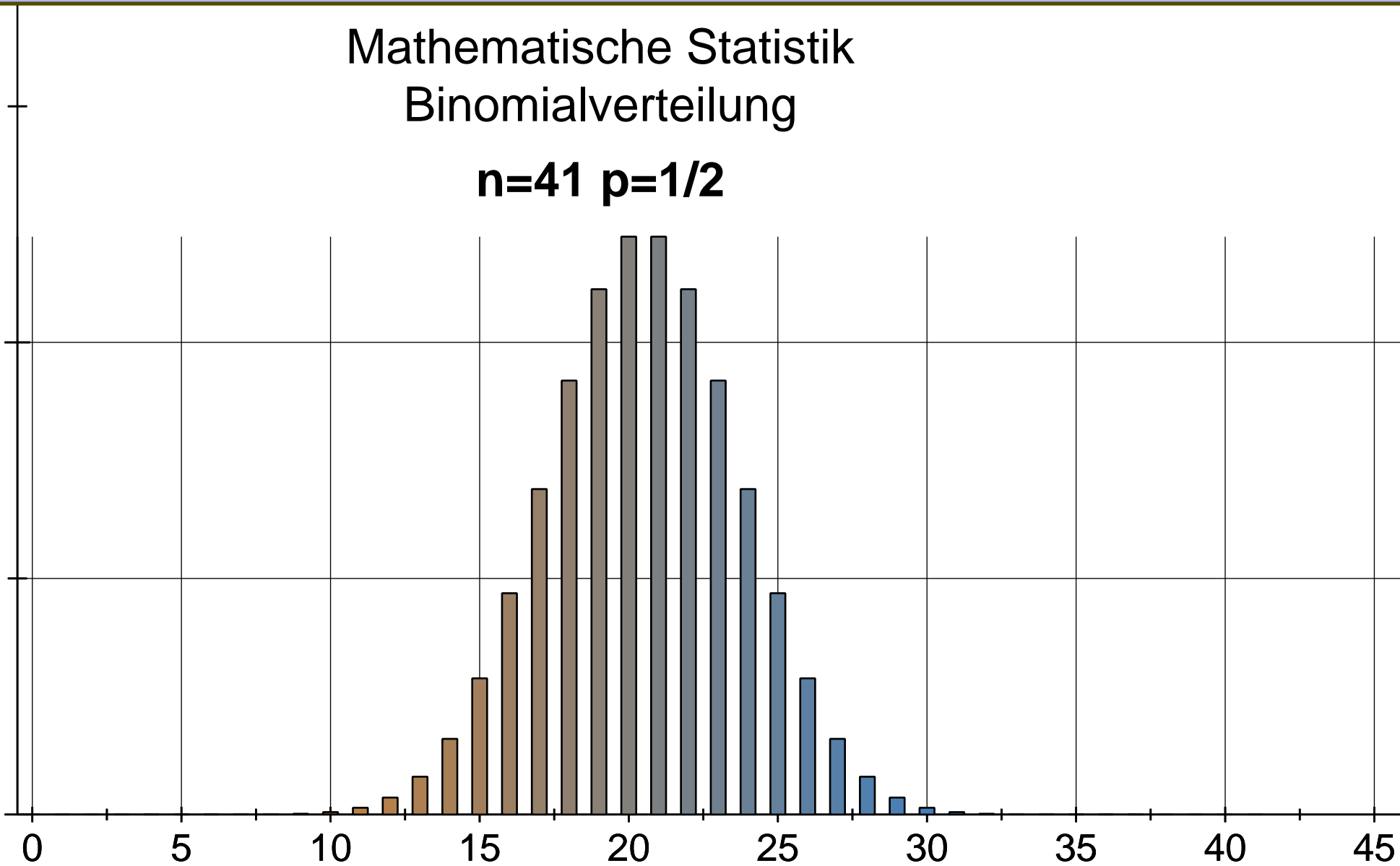
p

0.1

0

0 5 10 15 20 25 30 35 40 45

Treffer



Mathematische Statistik

Binomialverteilung

$n=42$ $p=1/2$

p

0.1

0

0

5

10

15

20

25

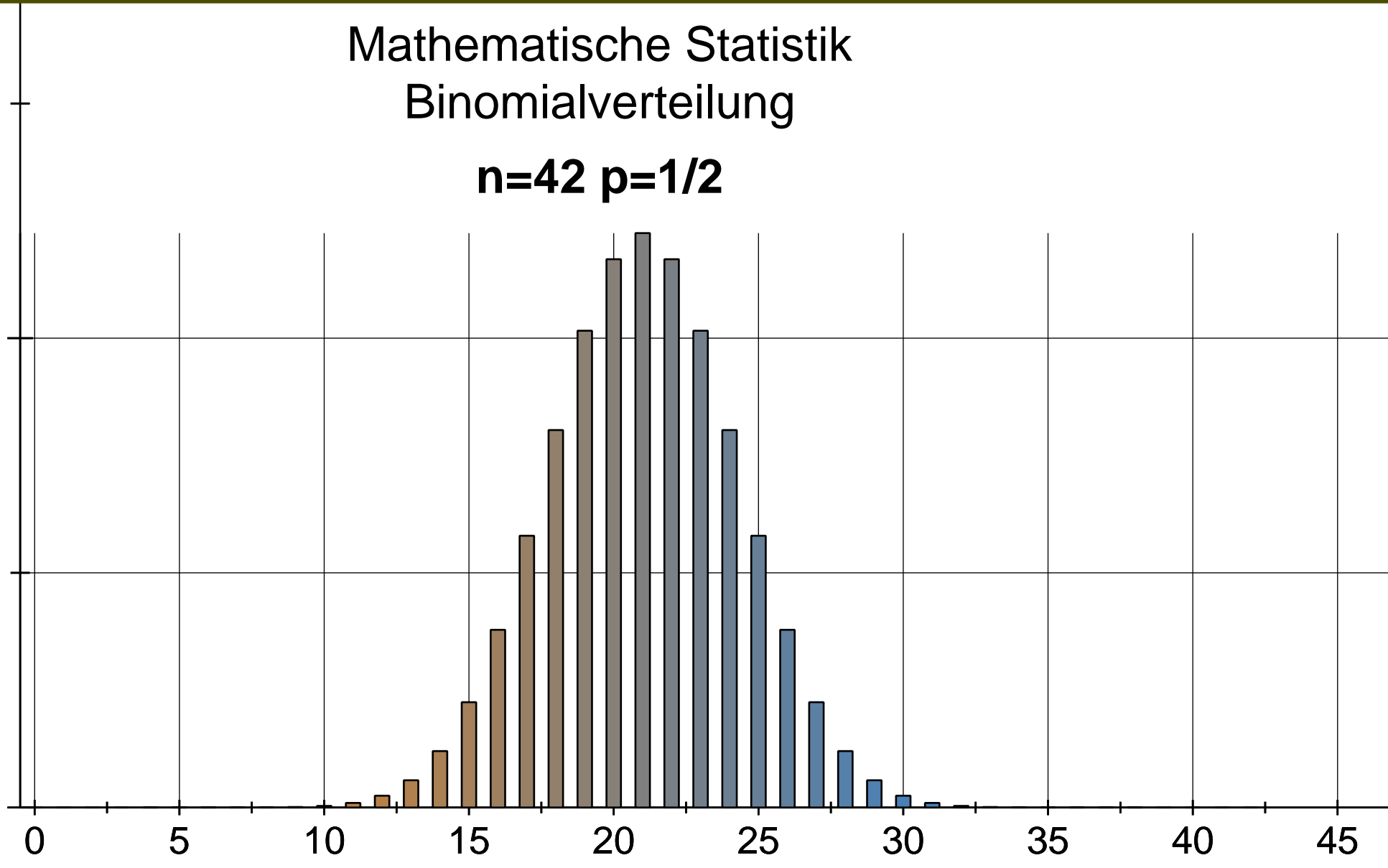
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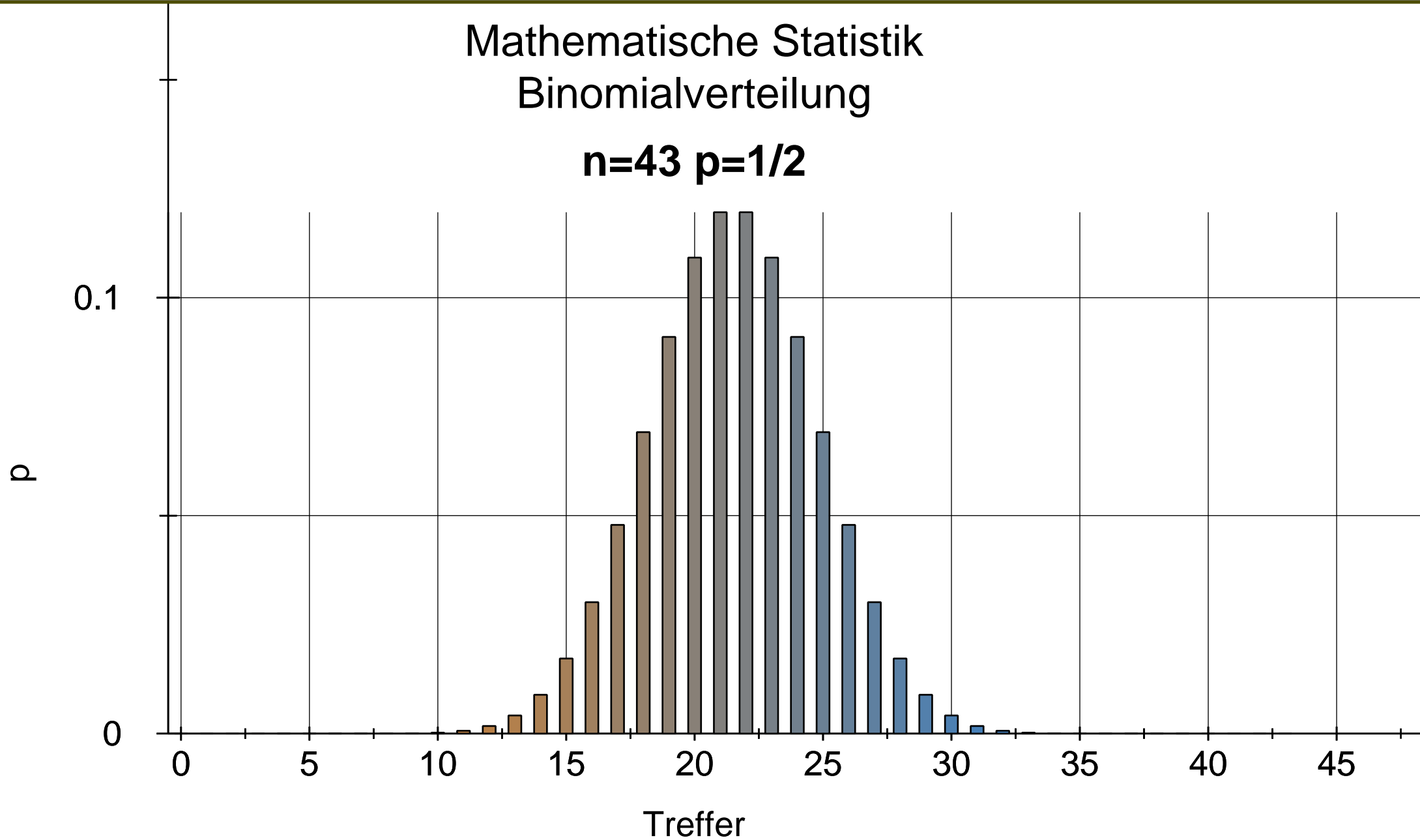
Treffer



Mathematische Statistik

Binomialverteilung

n=43 p=1/2



Mathematische Statistik

Binomialverteilung

$n=44$ $p=1/2$

p

0.1

0

0

5

10

15

20

25

30

35

40

45

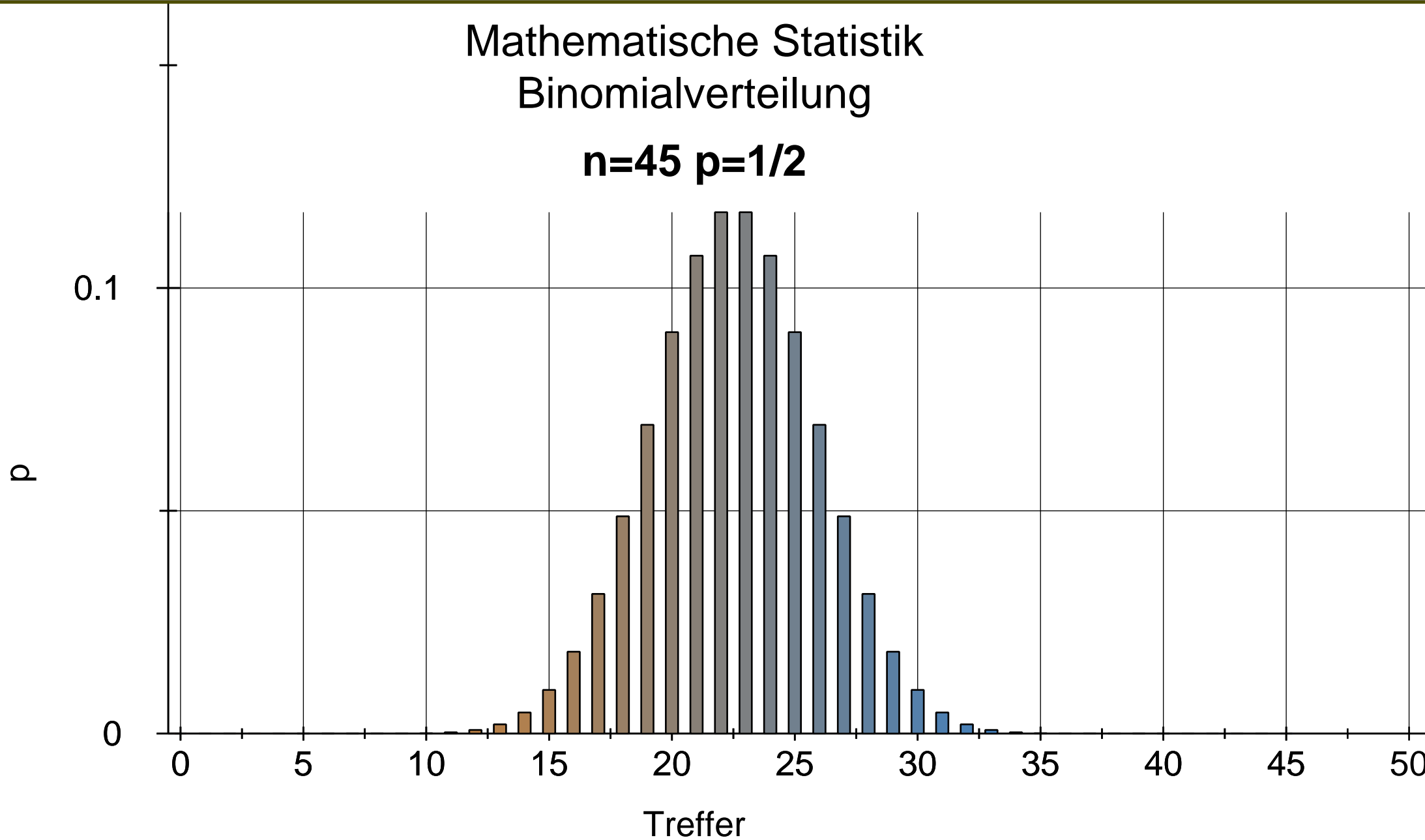
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Treffer

Mathematische Statistik

Binomialverteilung

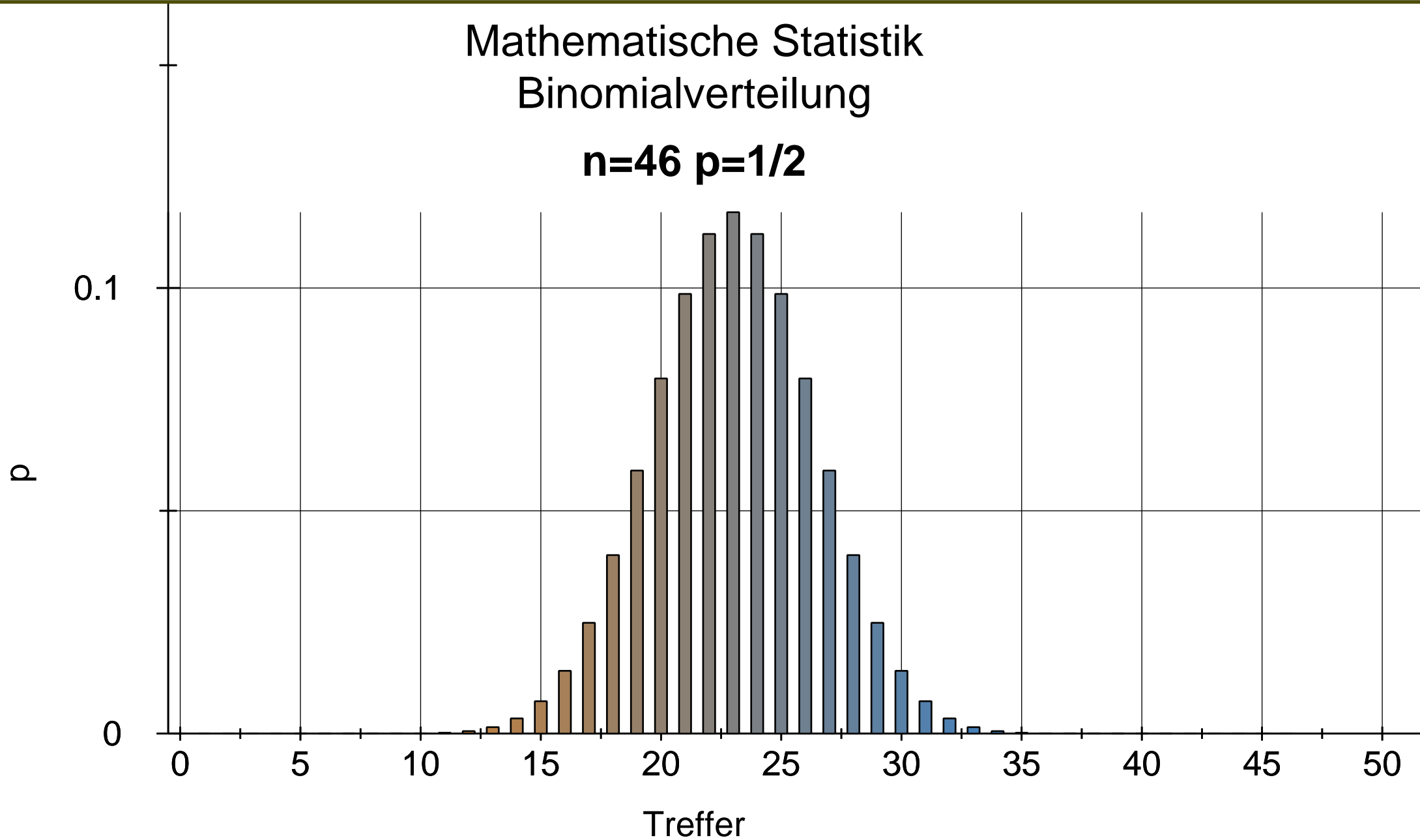
$n=45$ $p=1/2$



Mathematische Statistik

Binomialverteilung

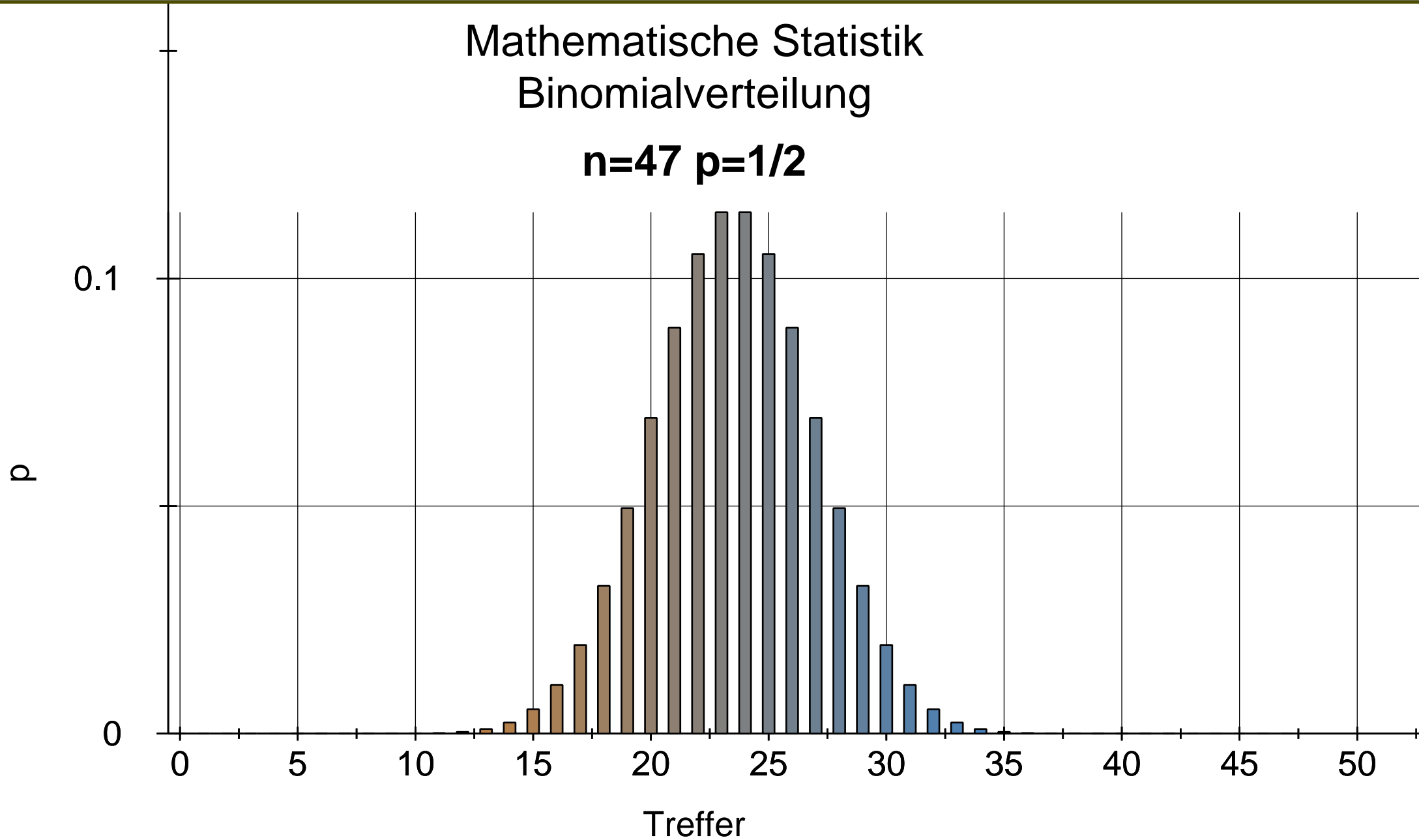
$n=46$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=47$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=48$ $p=1/2$

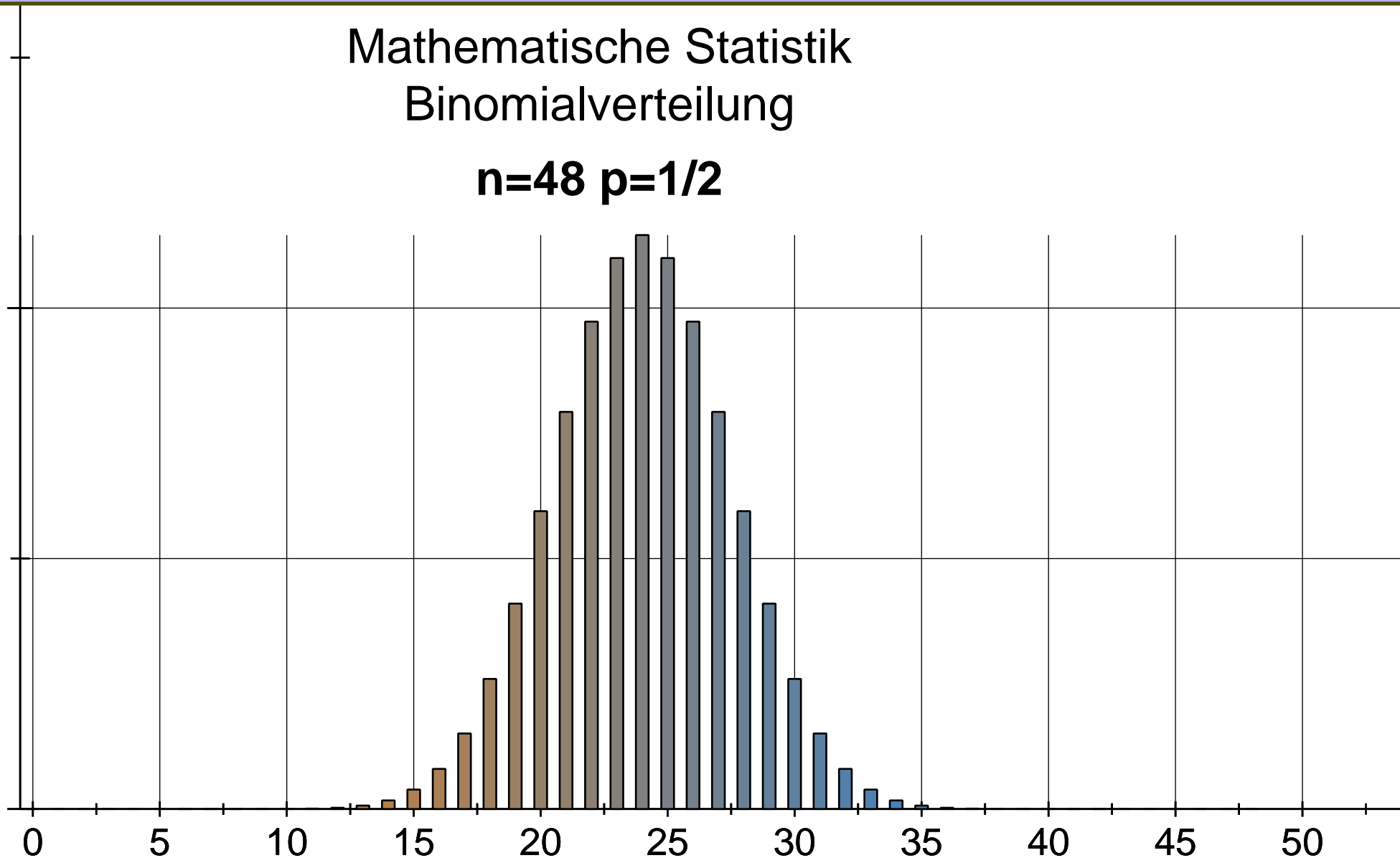
p

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0

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Treffer



Mathematische Statistik

Binomialverteilung

n=49 p=1/2

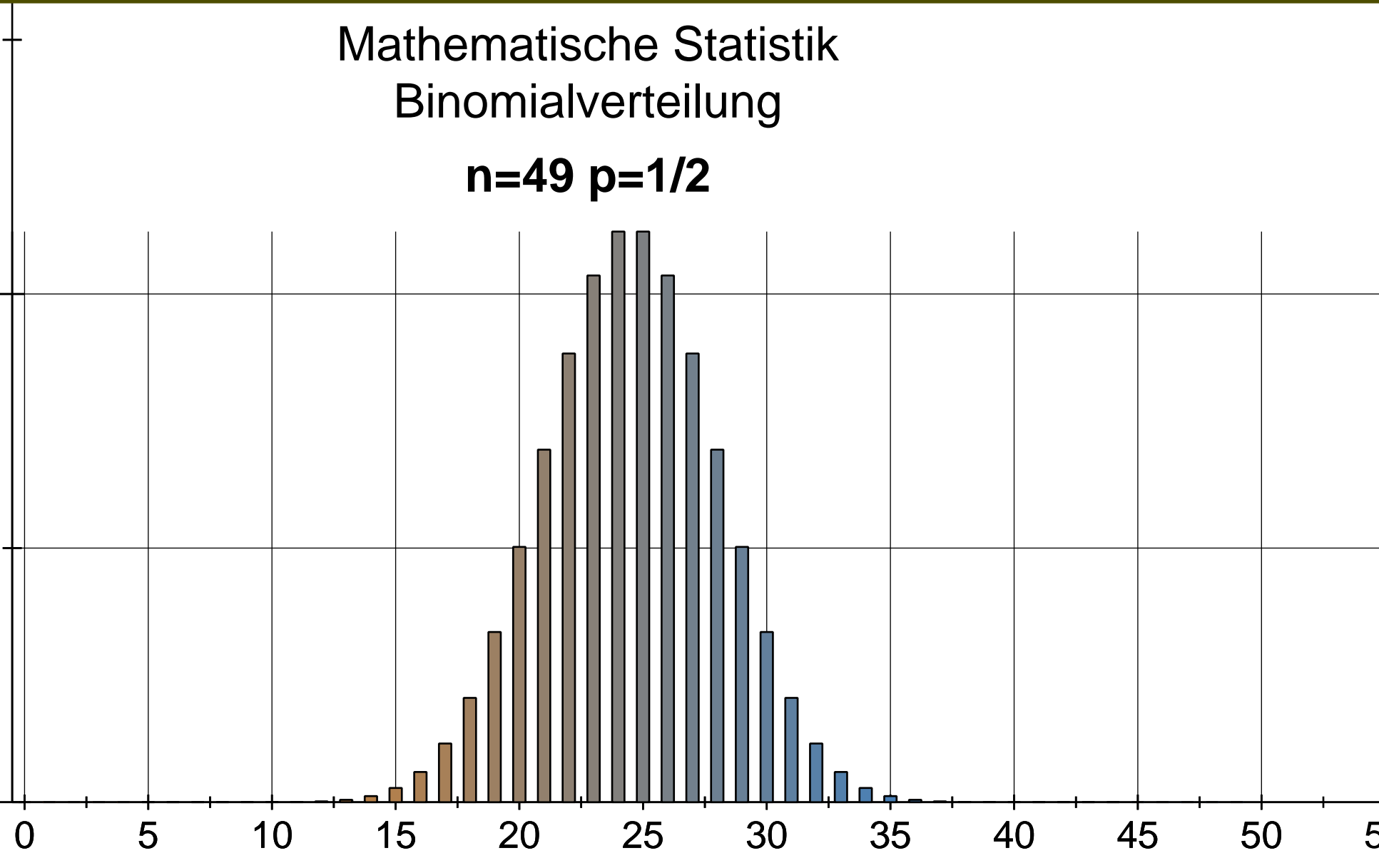
p

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0

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Treffer



Mathematische Statistik Binomialverteilung

$n=50$ $p=1/2$

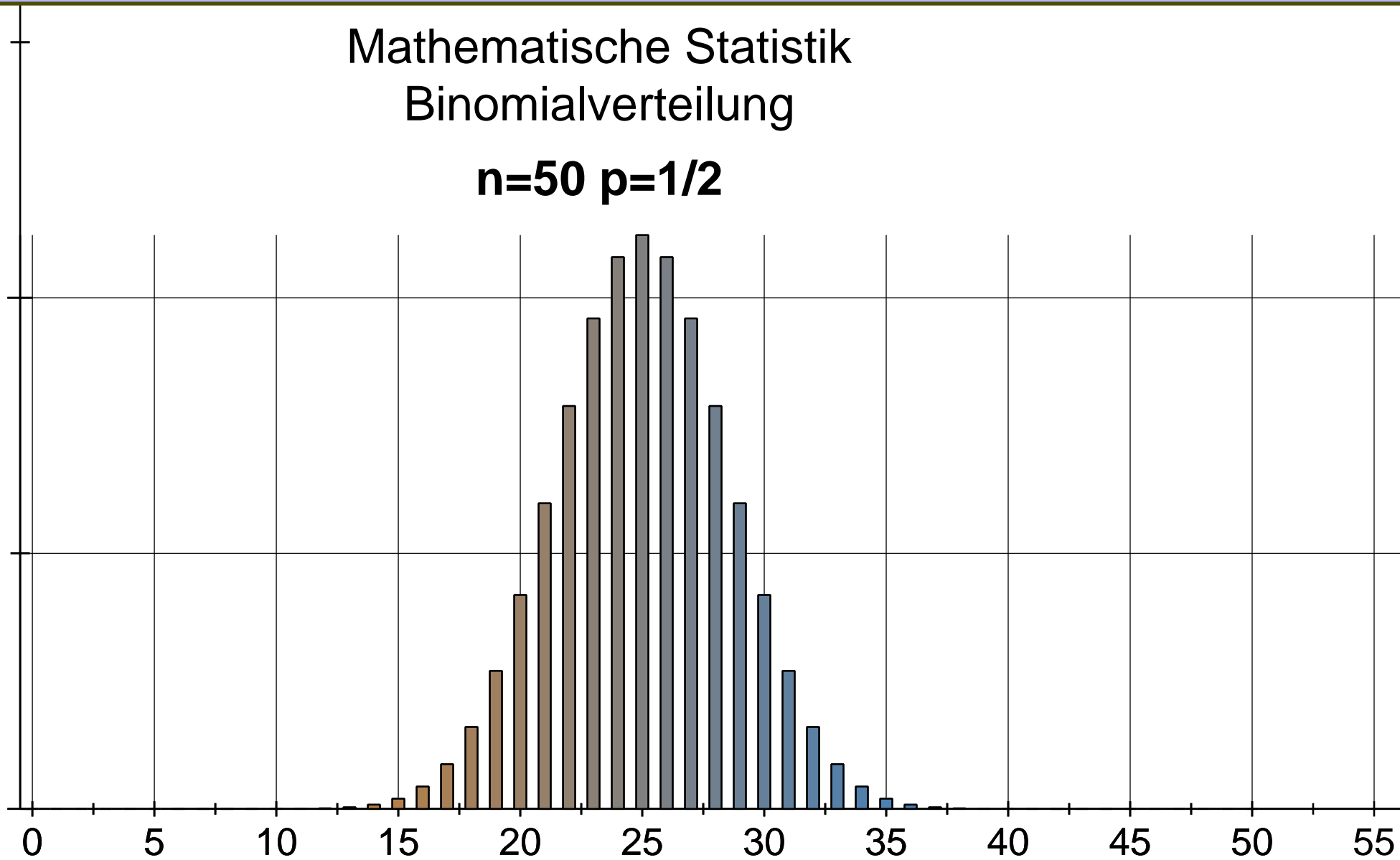
p

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0

0 5 10 15 20 25 30 35 40 45 50 55

Treffer



Mathematische Statistik Binomialverteilung

n=51 p=1/2

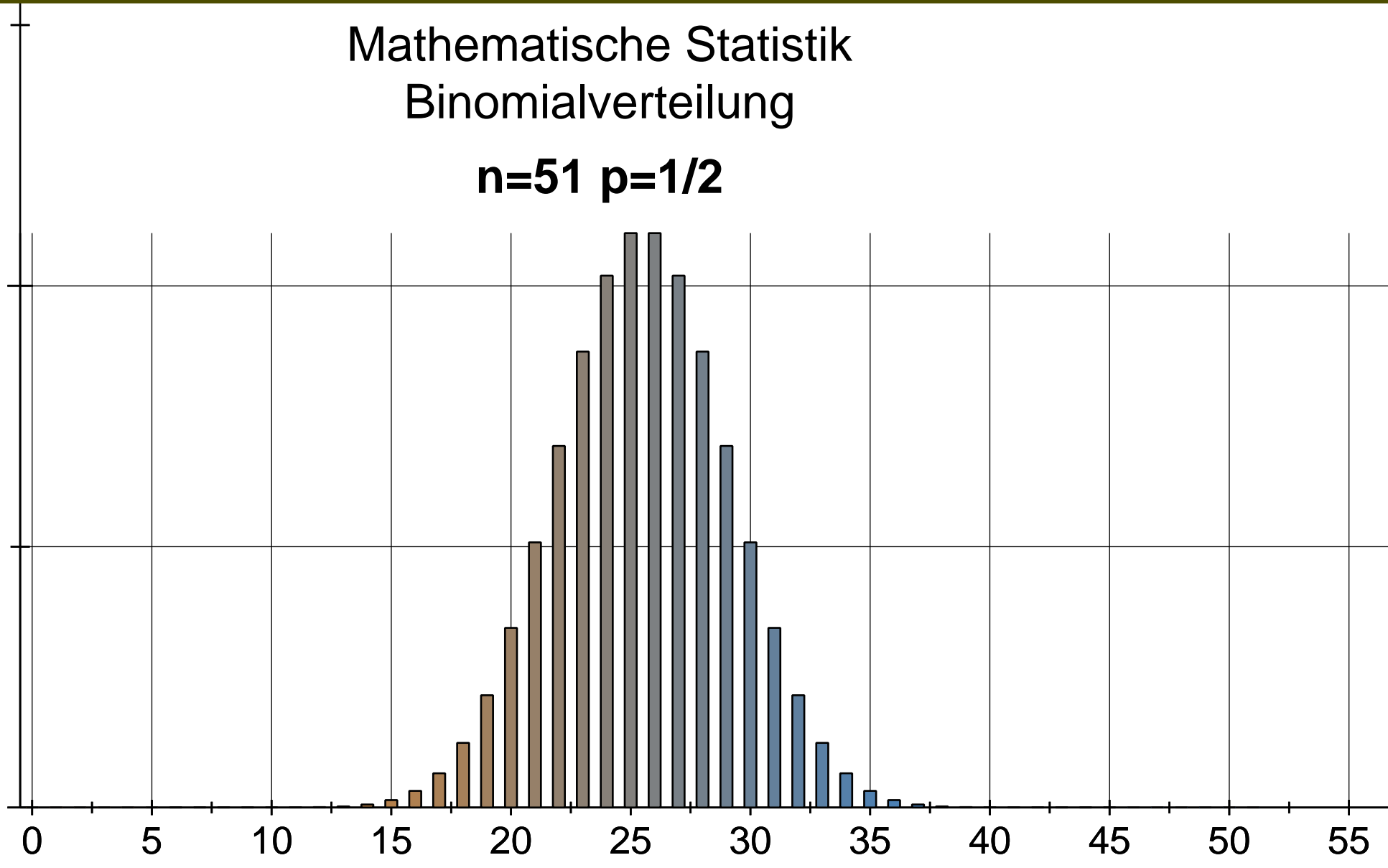
p

0.1

0

0 5 10 15 20 25 30 35 40 45 50 55

Treffer



Mathematische Statistik

Binomialverteilung

$n=52$ $p=1/2$

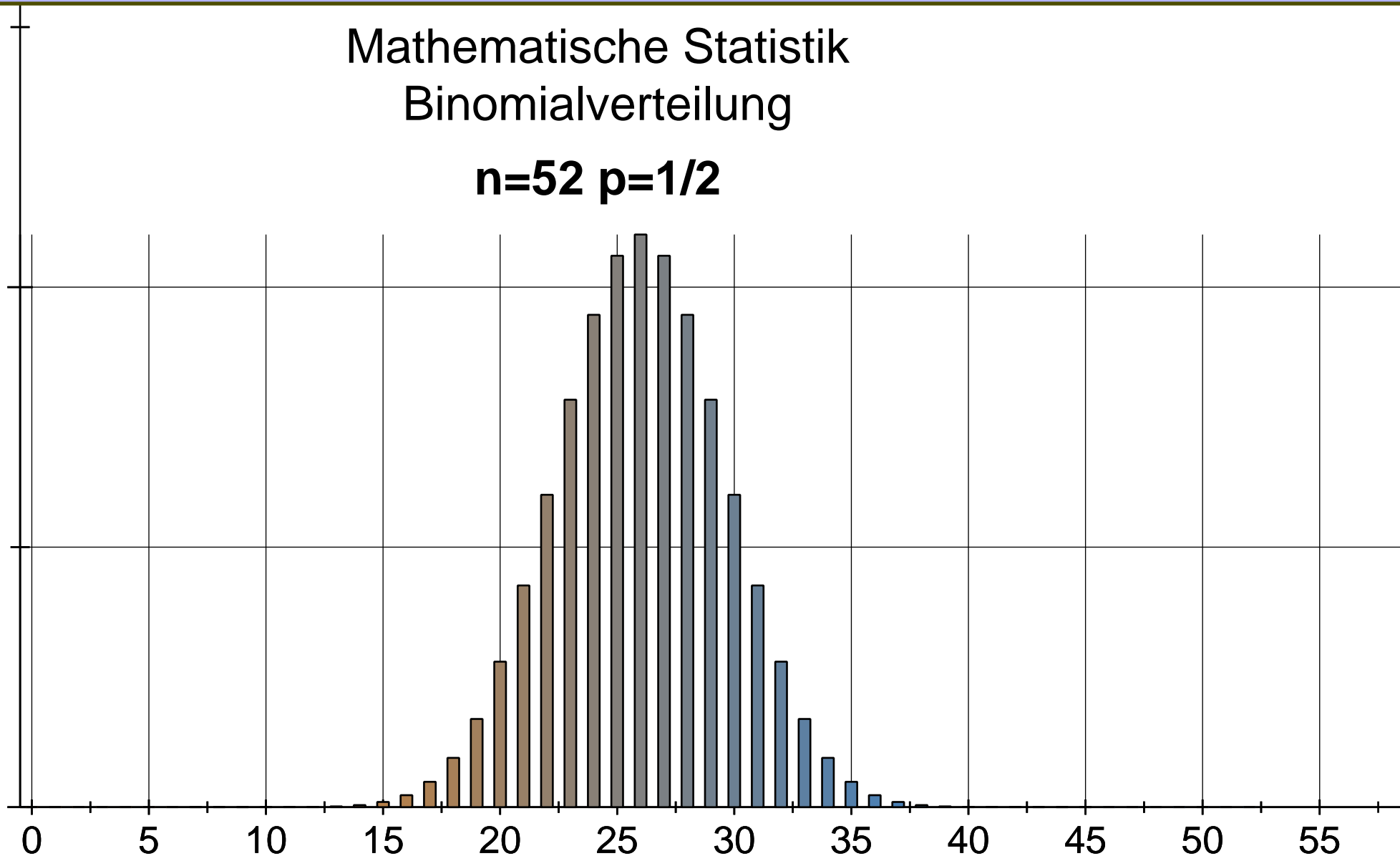
p

0.1

0

0 5 10 15 20 25 30 35 40 45 50 55

Treffer



Mathematische Statistik

Binomialverteilung

$n=53$ $p=1/2$

p

0.1

0

0

5

10

15

20

25

30

35

40

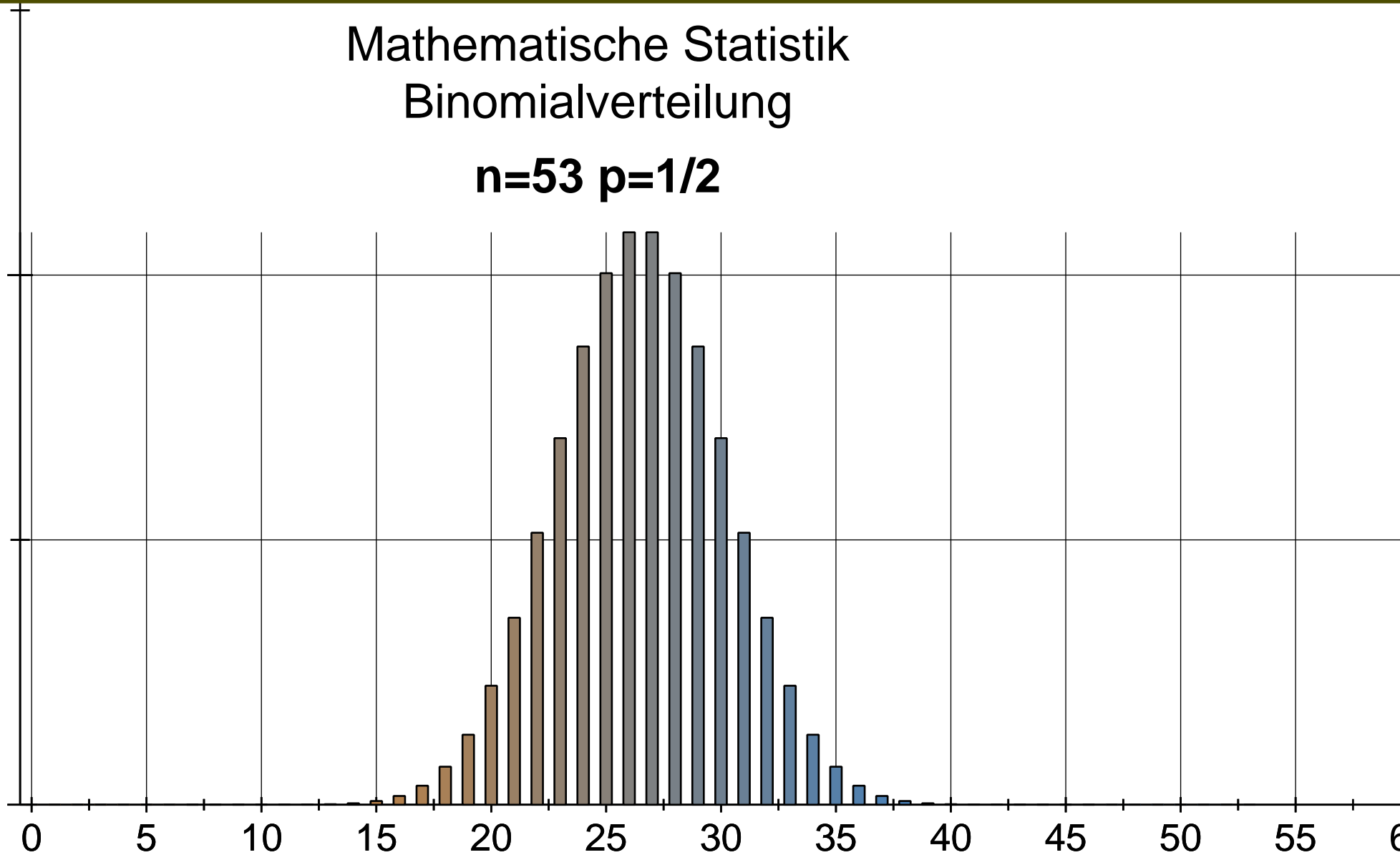
45

50

55

60

Treffer



Mathematische Statistik

Binomialverteilung

$n=54$ $p=1/2$

p

0.1

0

0

5

10

15

20

25

30

35

40

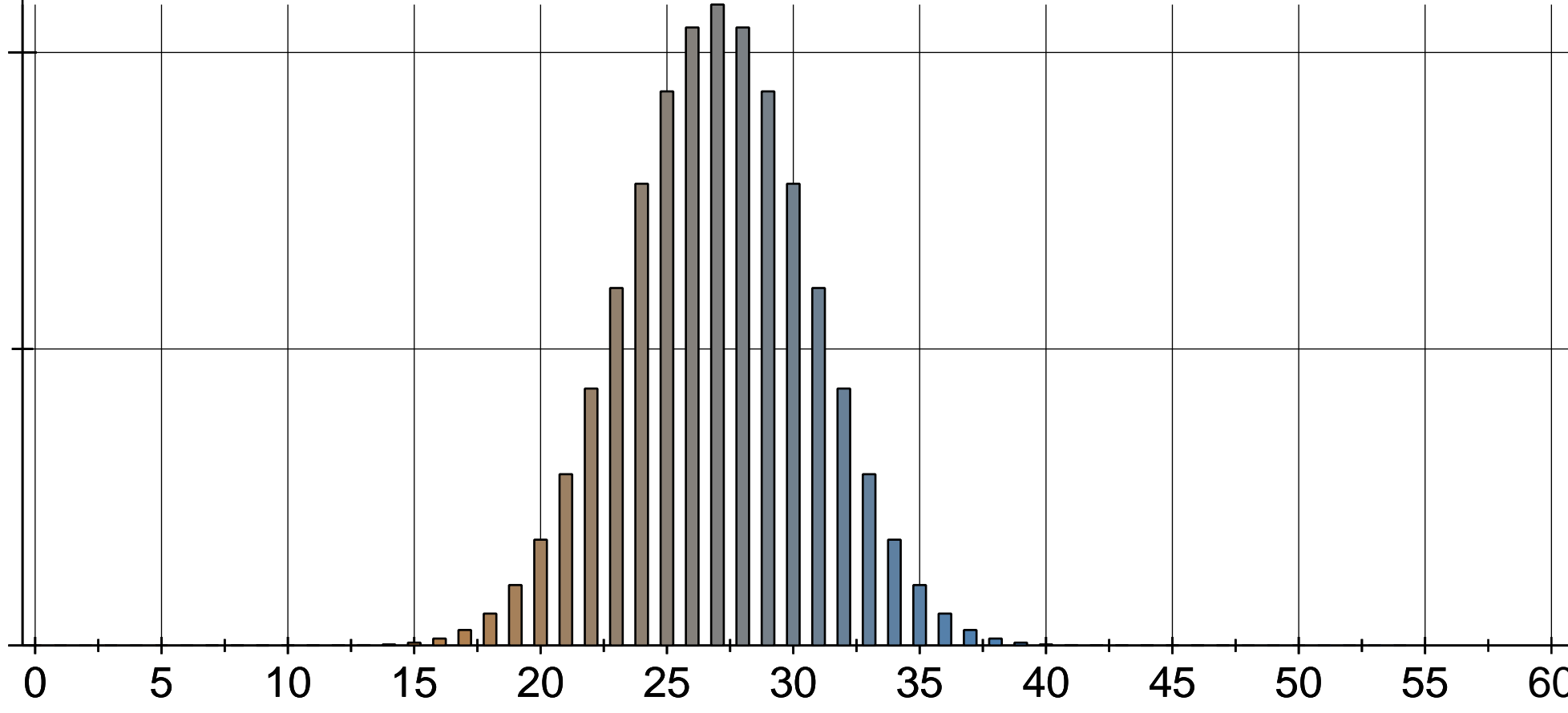
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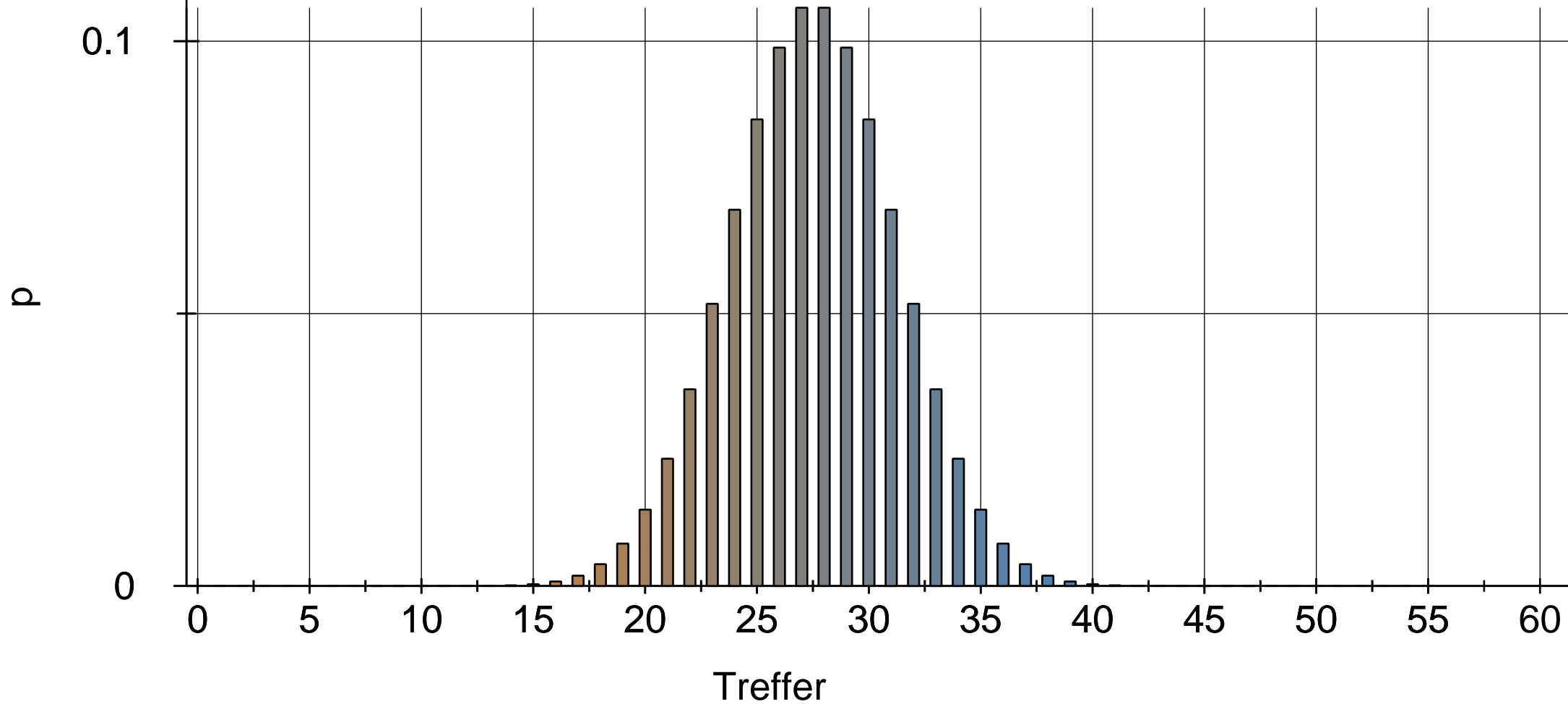
Treffer



Mathematische Statistik

Binomialverteilung

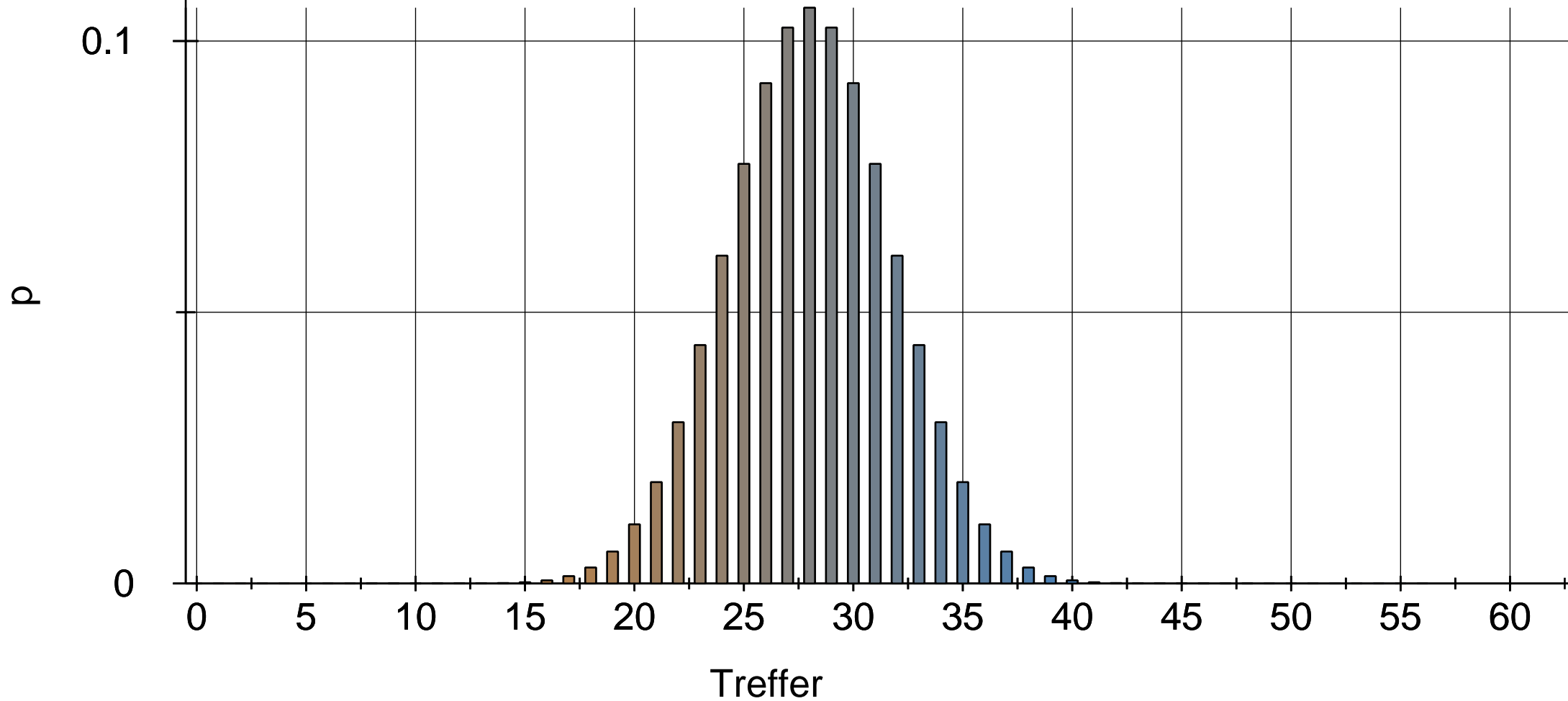
$n=55$ $p=1/2$



Mathematische Statistik

Binomialverteilung

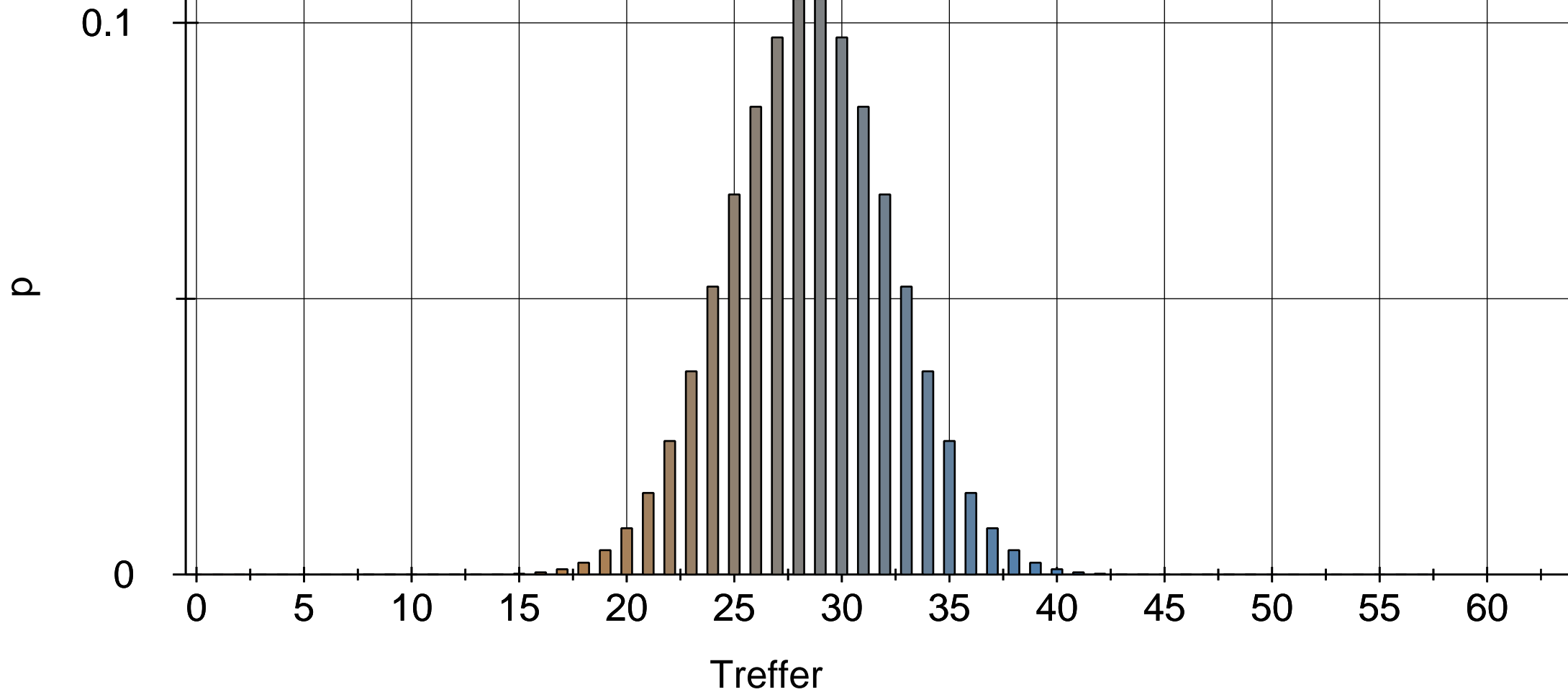
n=56 p=1/2



Mathematische Statistik

Binomialverteilung

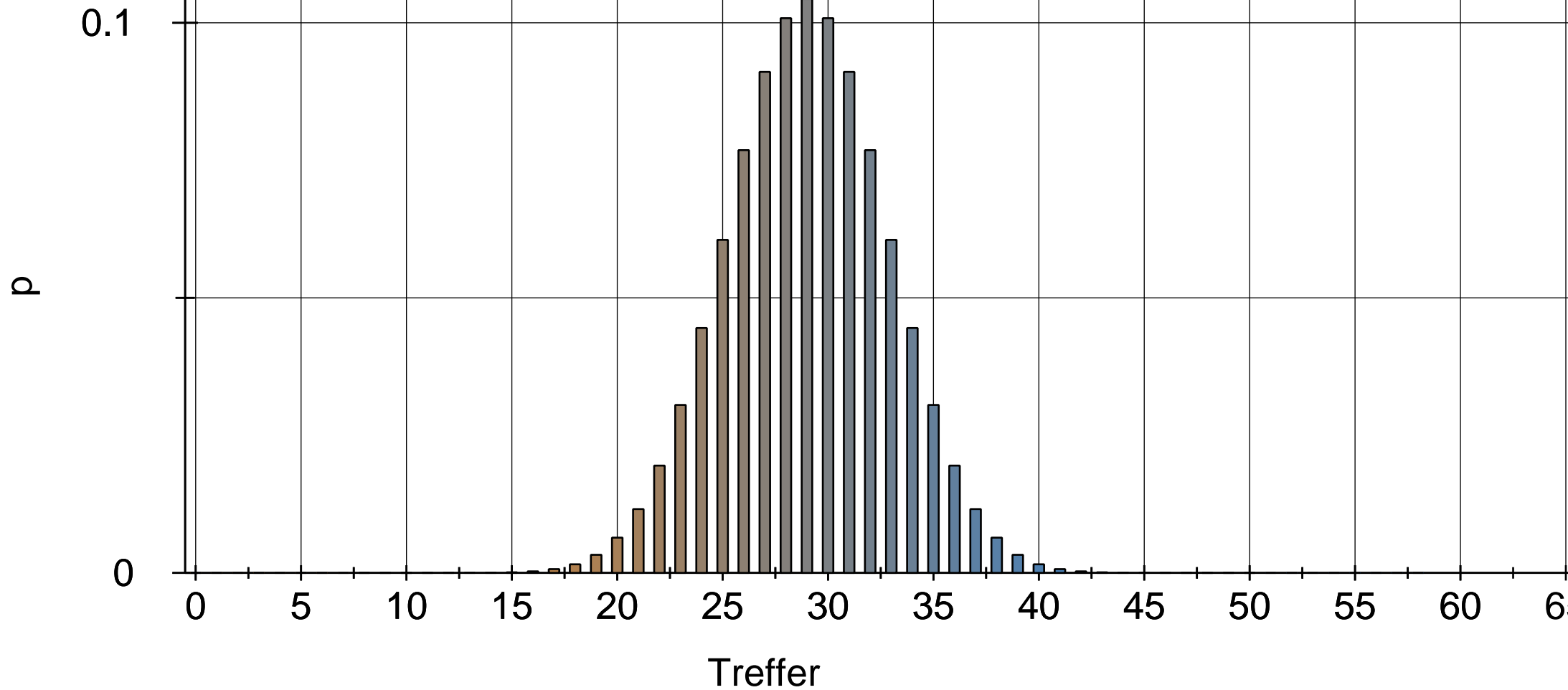
$n=57$ $p=1/2$



Mathematische Statistik

Binomialverteilung

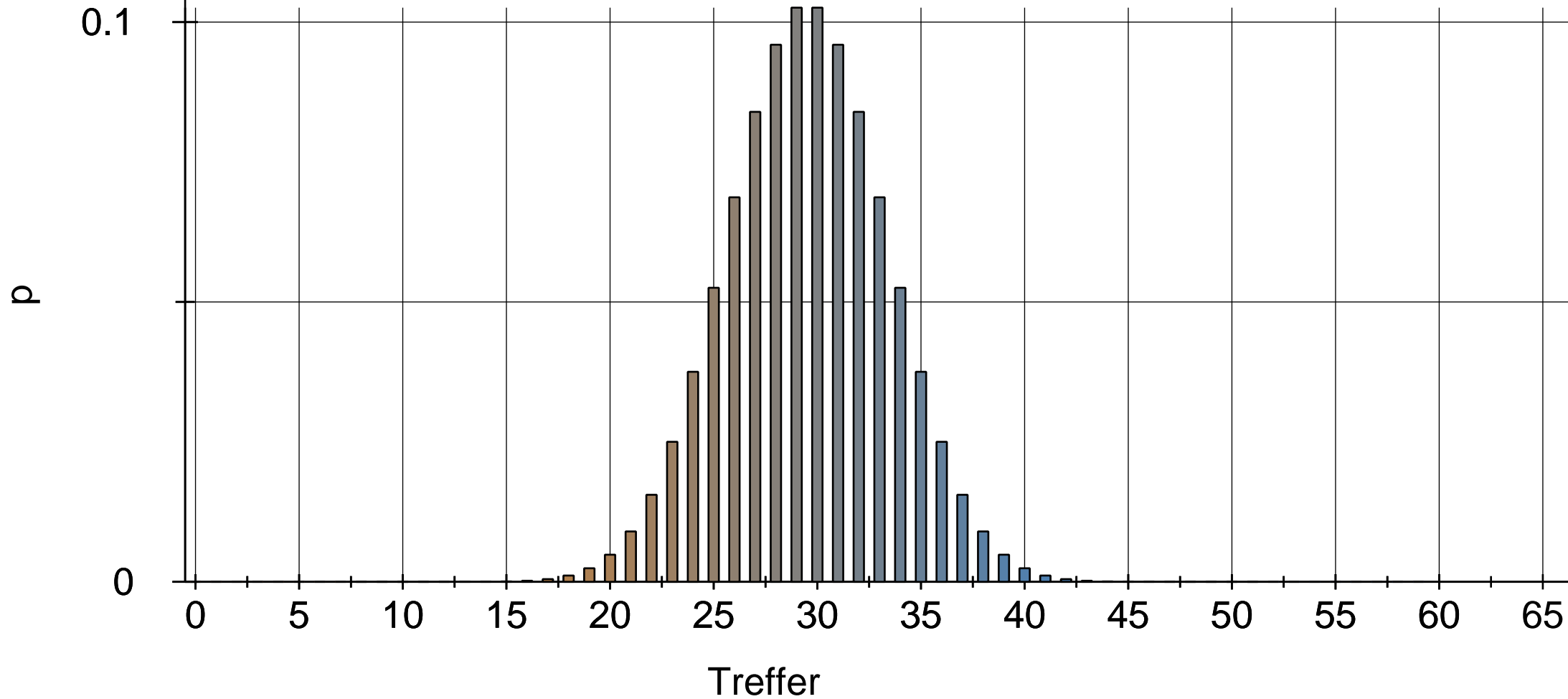
$n=58$ $p=1/2$



Mathematische Statistik

Binomialverteilung

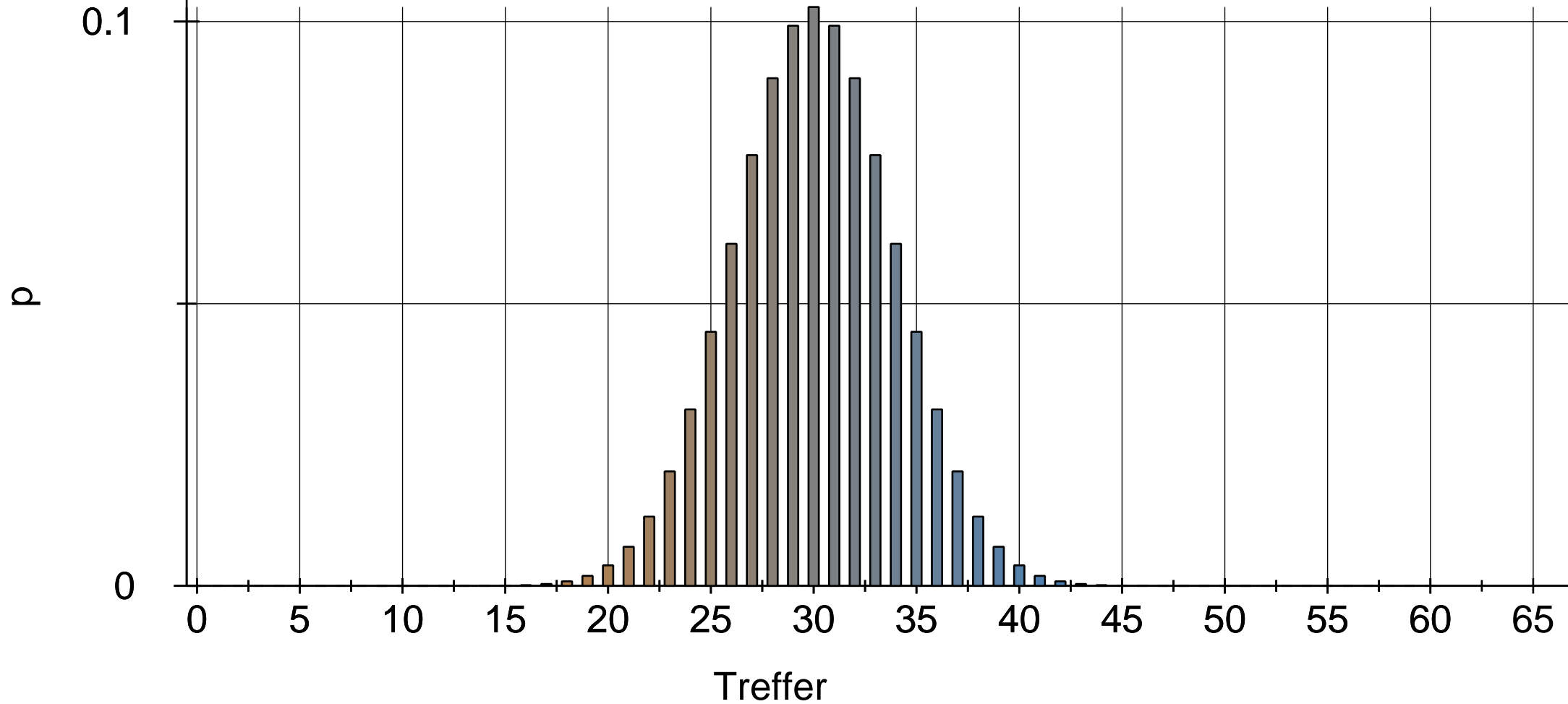
$n=59$ $p=1/2$



Mathematische Statistik

Binomialverteilung

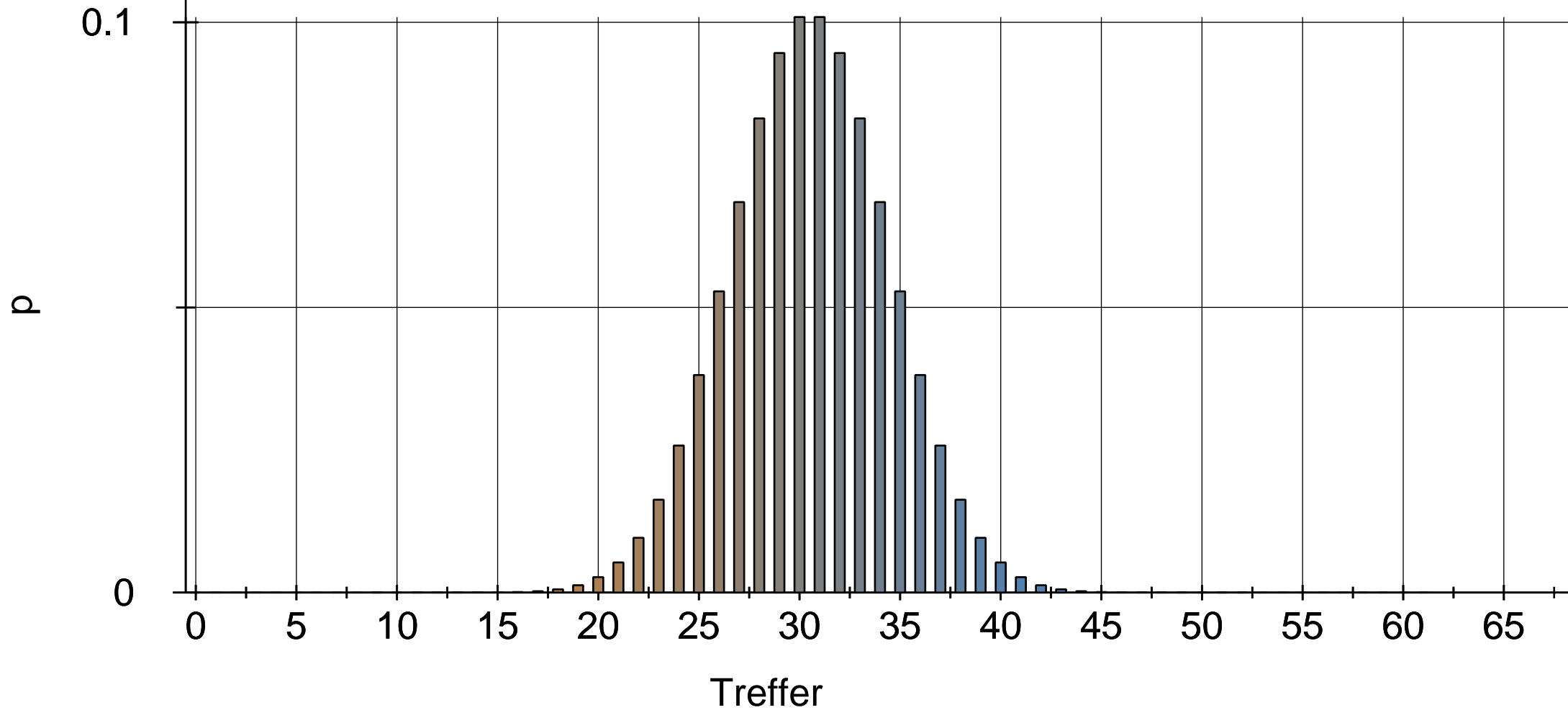
$n=60$ $p=1/2$



Mathematische Statistik

Binomialverteilung

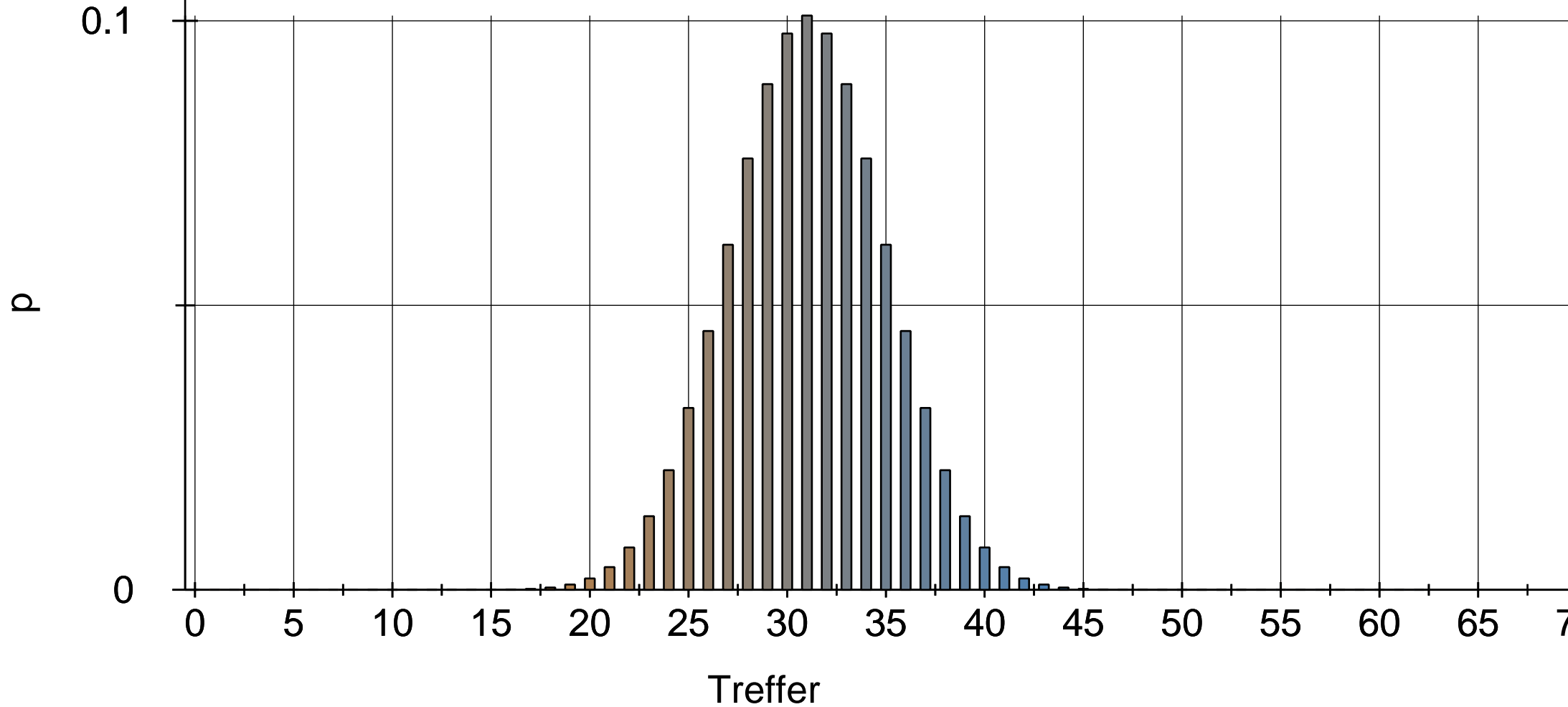
$n=61$ $p=1/2$



Mathematische Statistik

Binomialverteilung

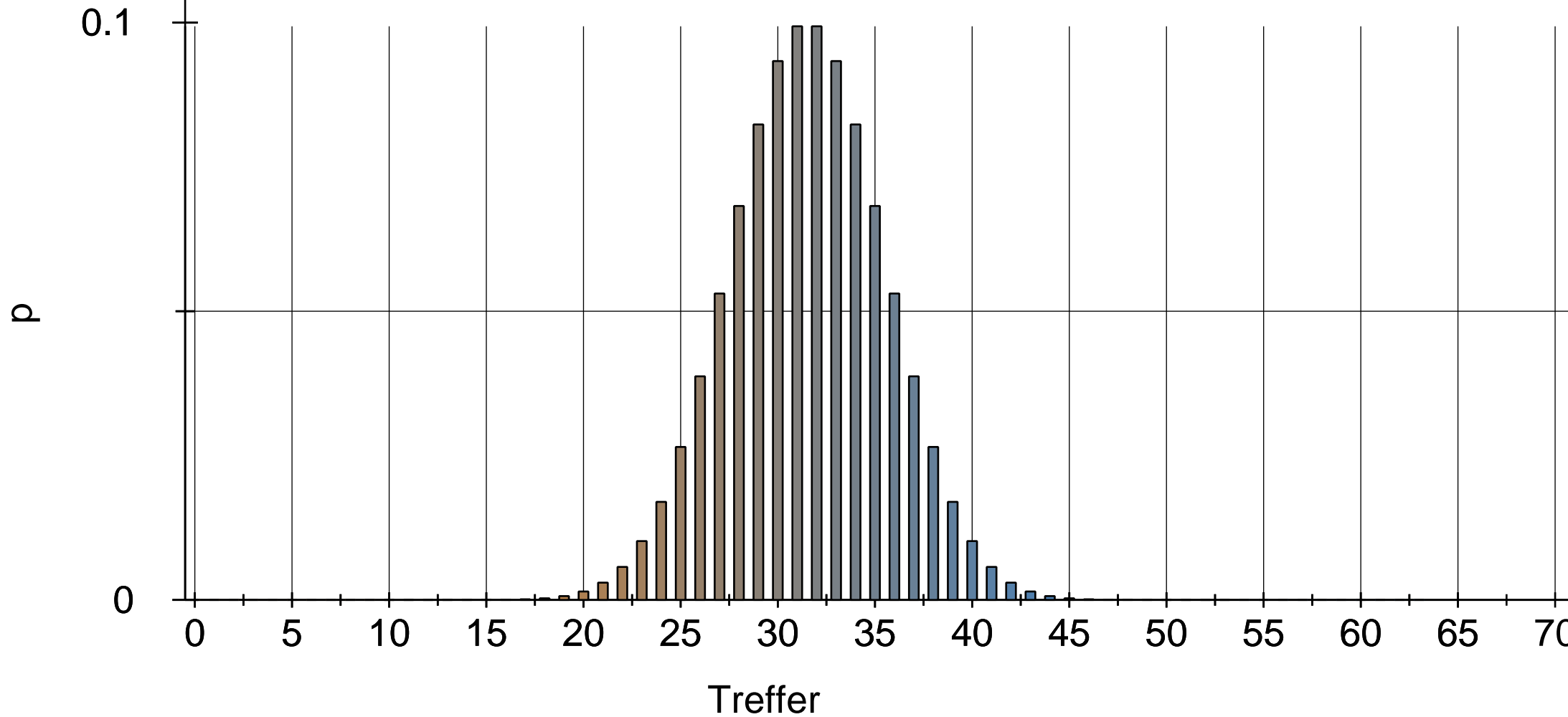
$n=62$ $p=1/2$



Mathematische Statistik

Binomialverteilung

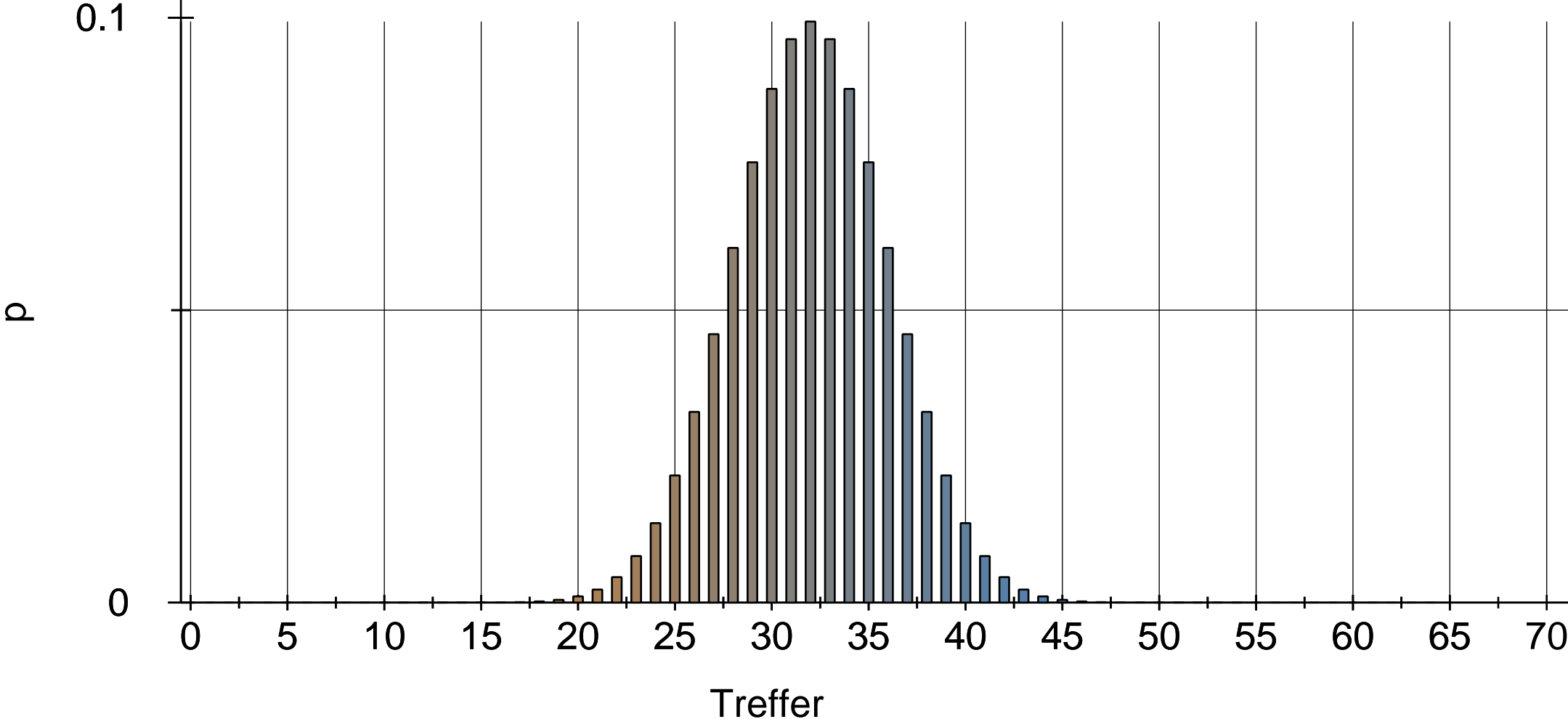
$n=63$ $p=1/2$



Mathematische Statistik

Binomialverteilung

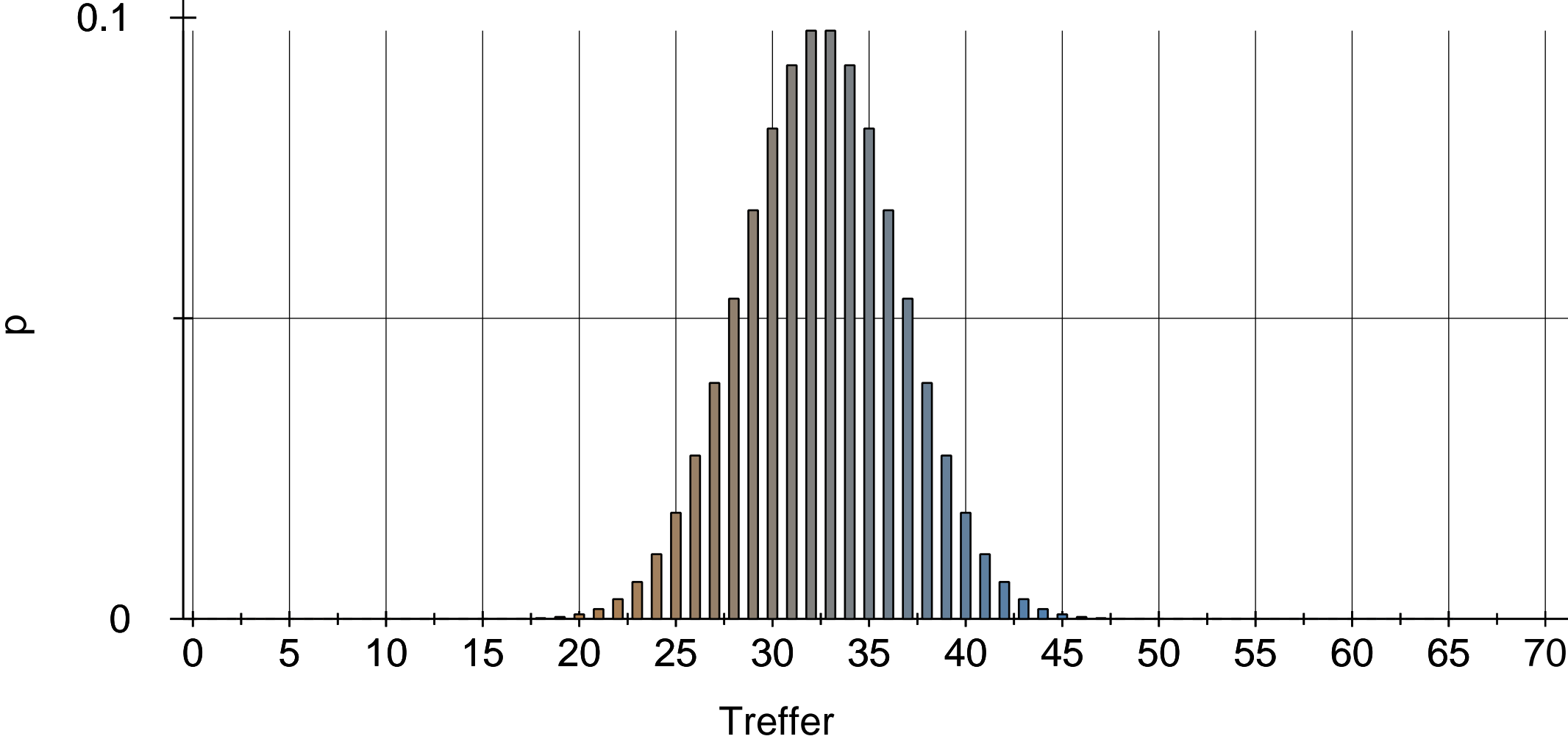
n=64 p=1/2



Mathematische Statistik

Binomialverteilung

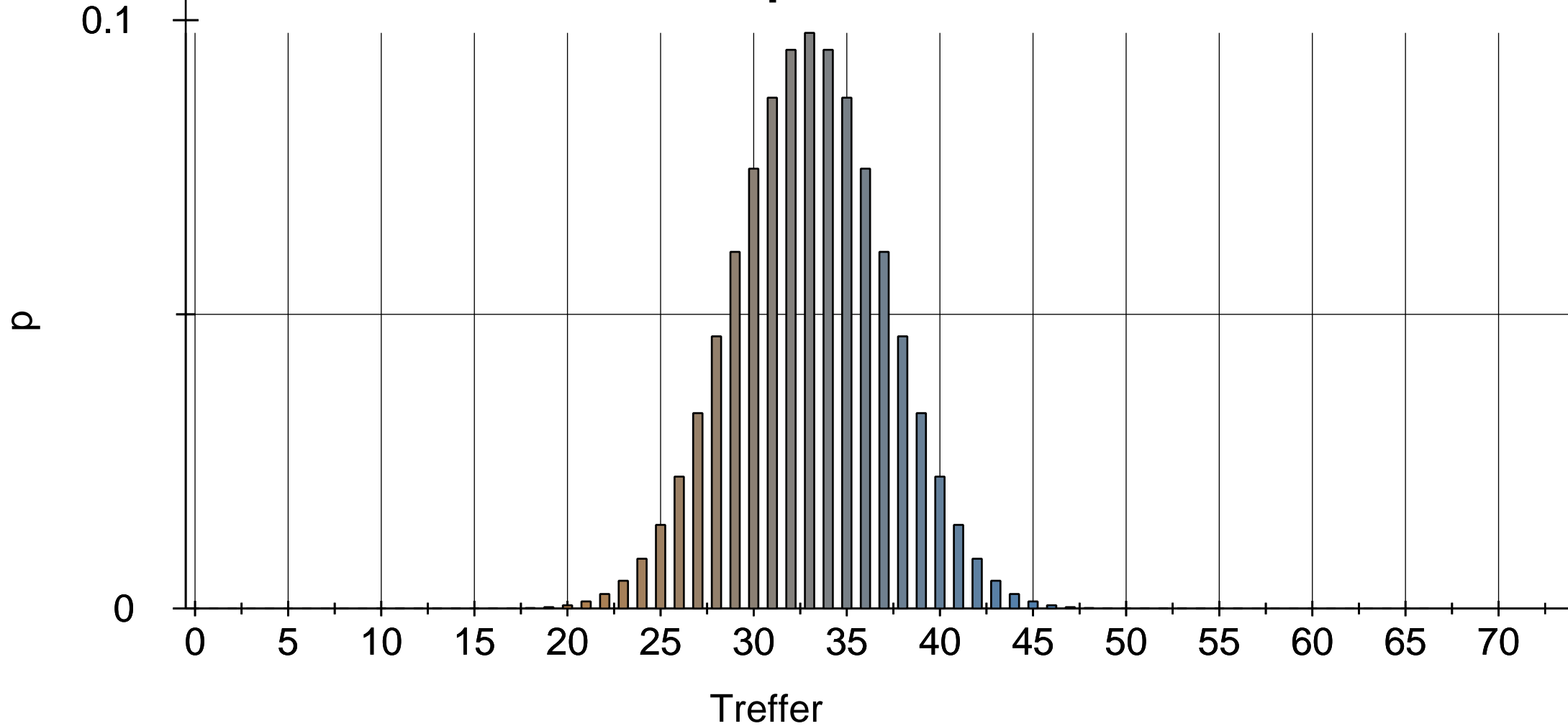
n=65 p=1/2



Mathematische Statistik

Binomialverteilung

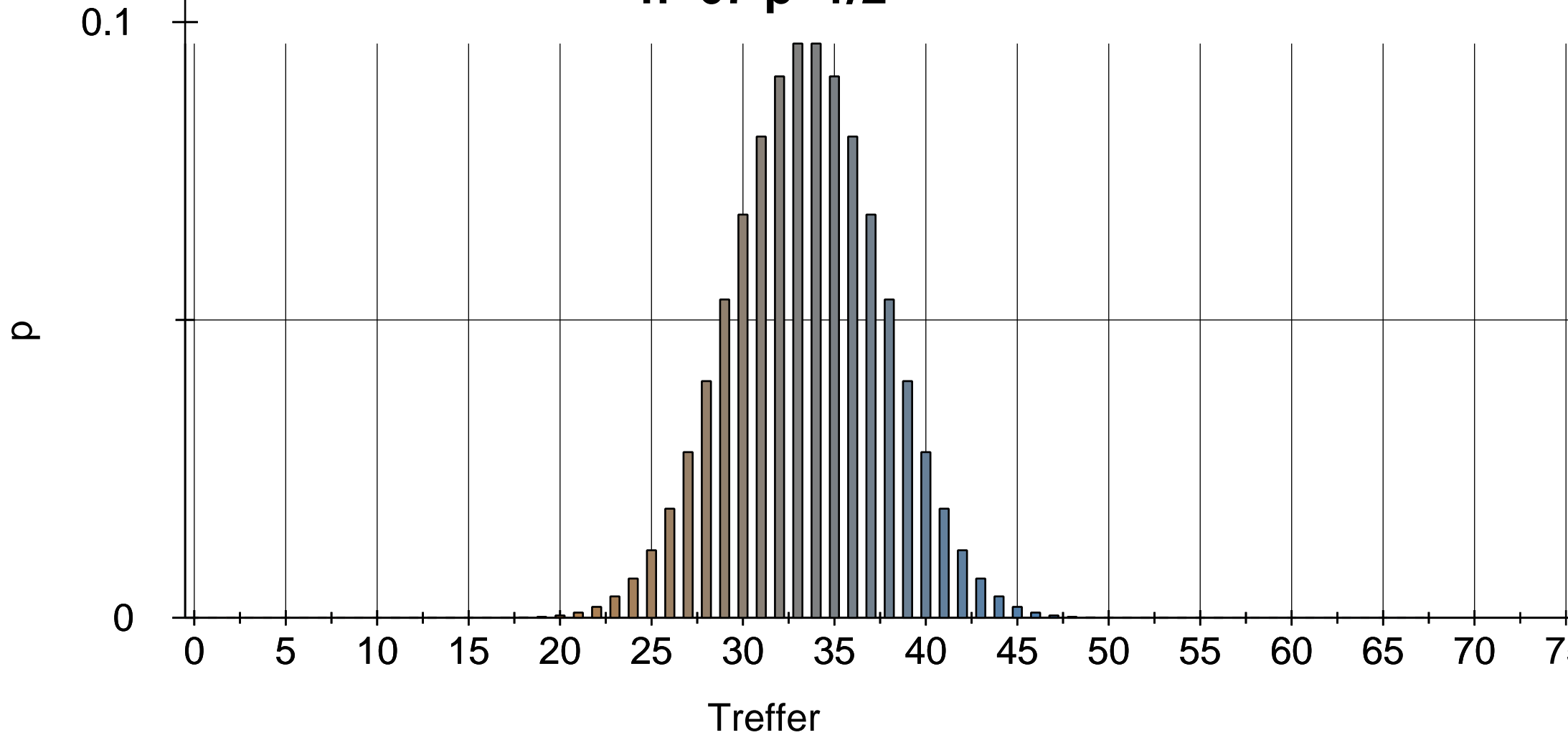
$n=66$ $p=1/2$



Mathematische Statistik

Binomialverteilung

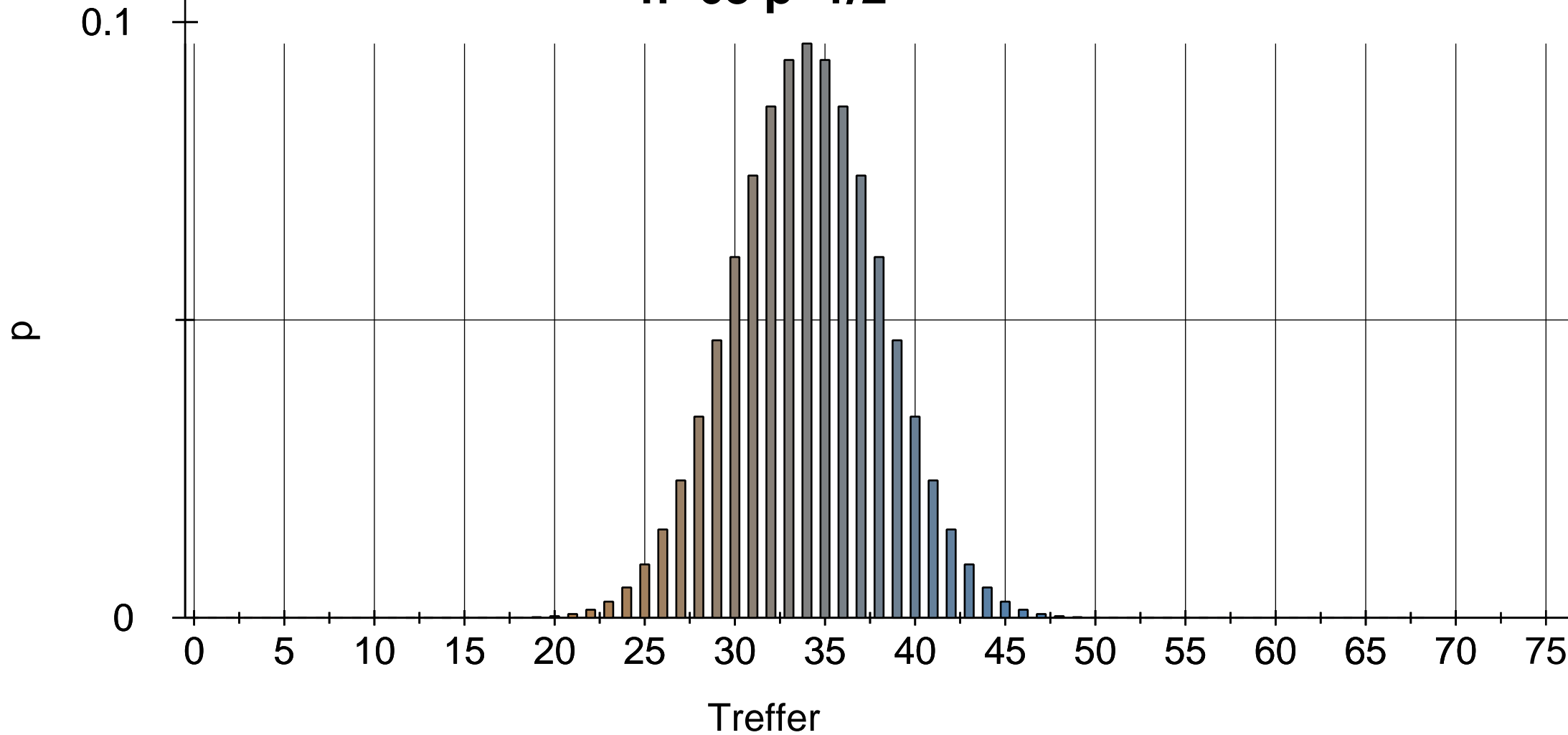
$n=67$ $p=1/2$



Mathematische Statistik

Binomialverteilung

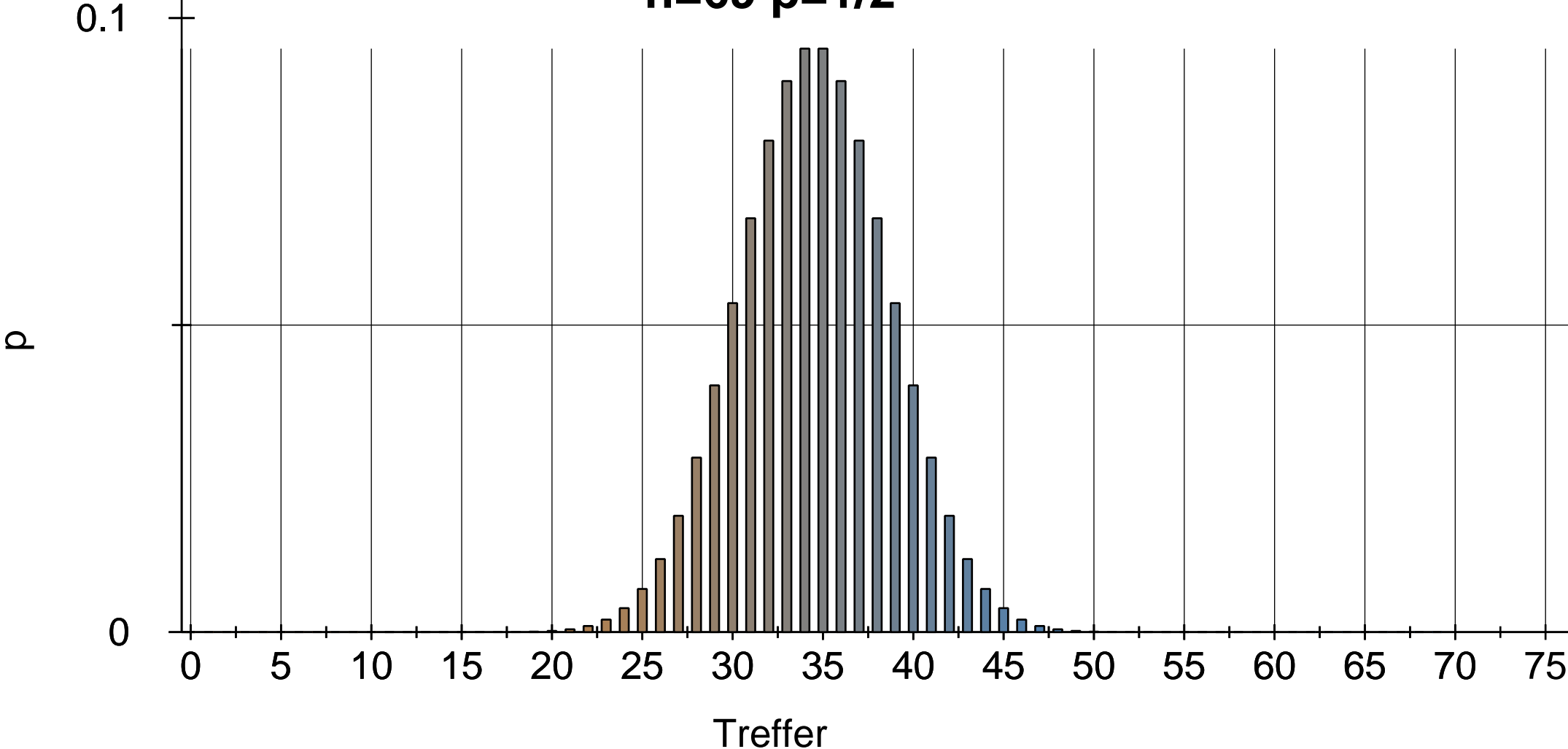
$n=68$ $p=1/2$



Mathematische Statistik

Binomialverteilung

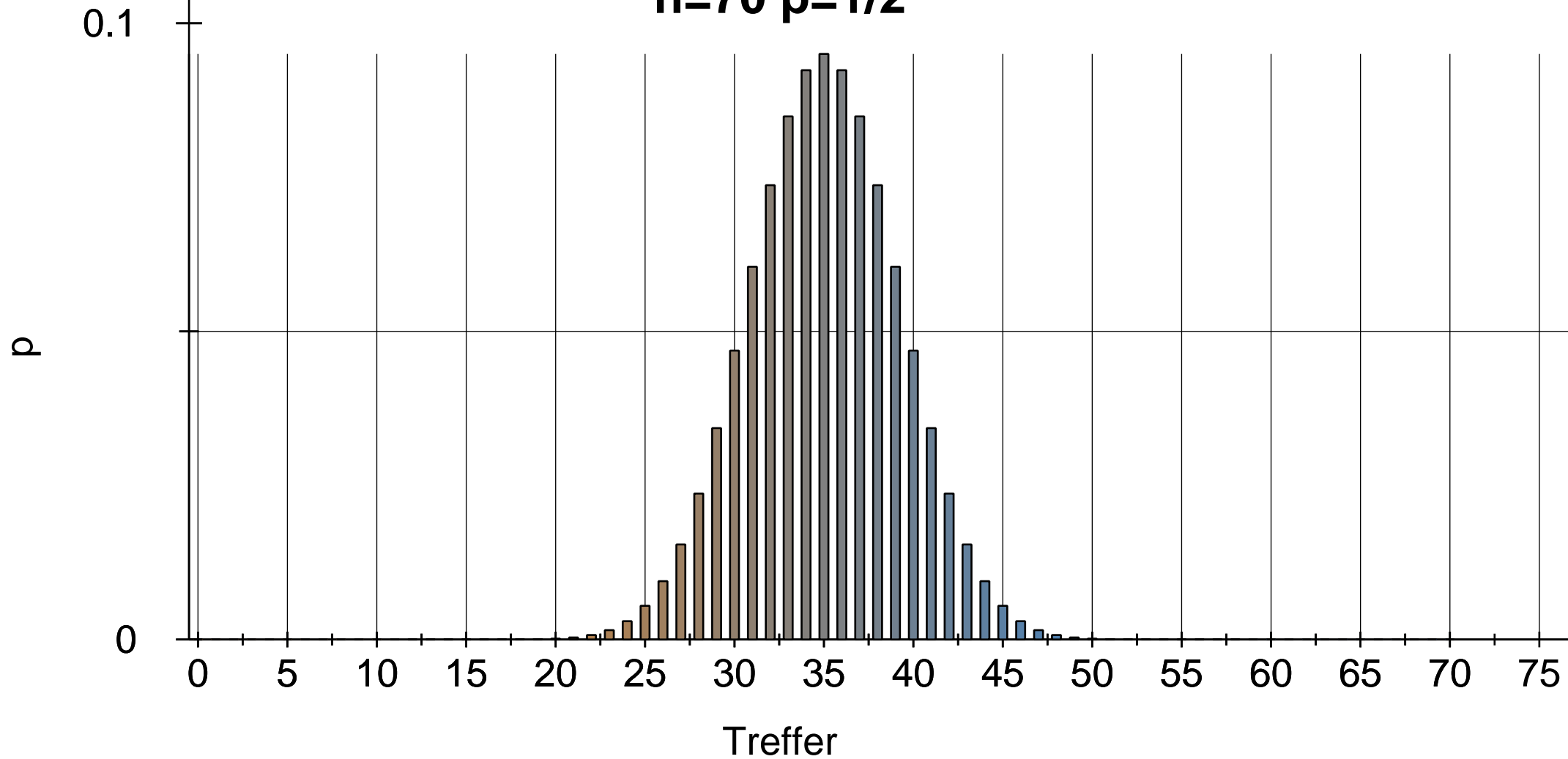
n=69 p=1/2



Mathematische Statistik

Binomialverteilung

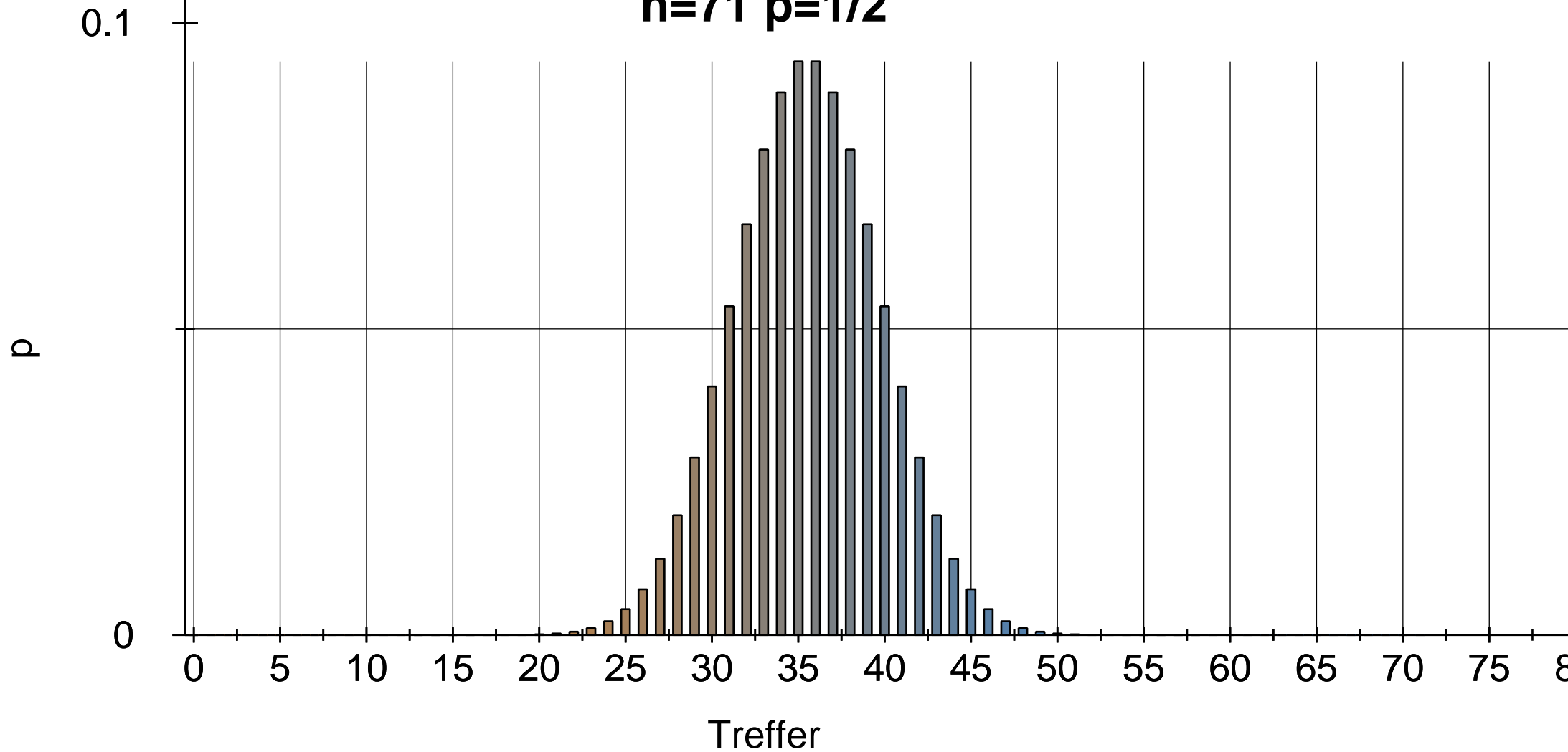
$n=70$ $p=1/2$



Mathematische Statistik

Binomialverteilung

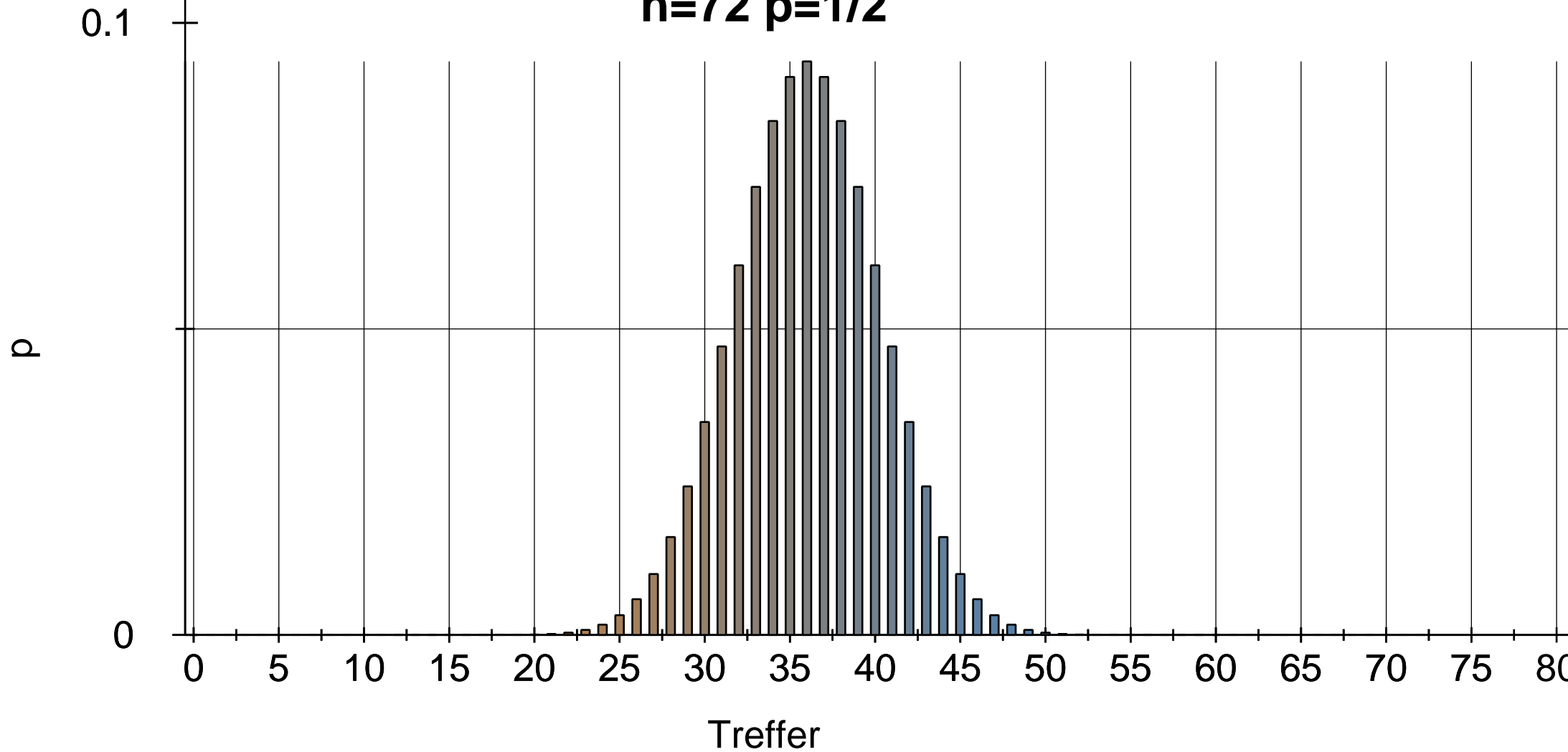
$n=71$ $p=1/2$



Mathematische Statistik

Binomialverteilung

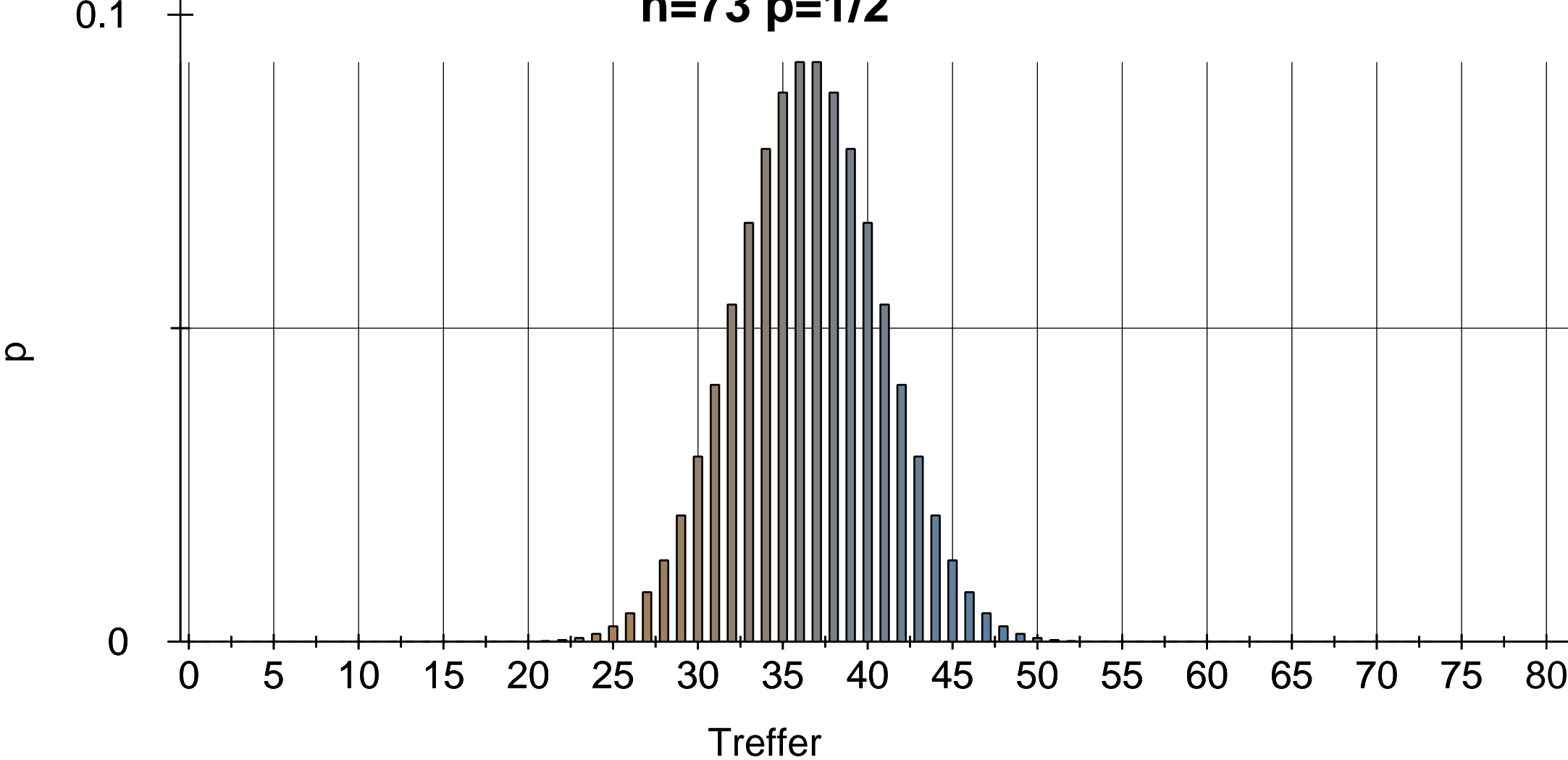
$n=72$ $p=1/2$



Mathematische Statistik

Binomialverteilung

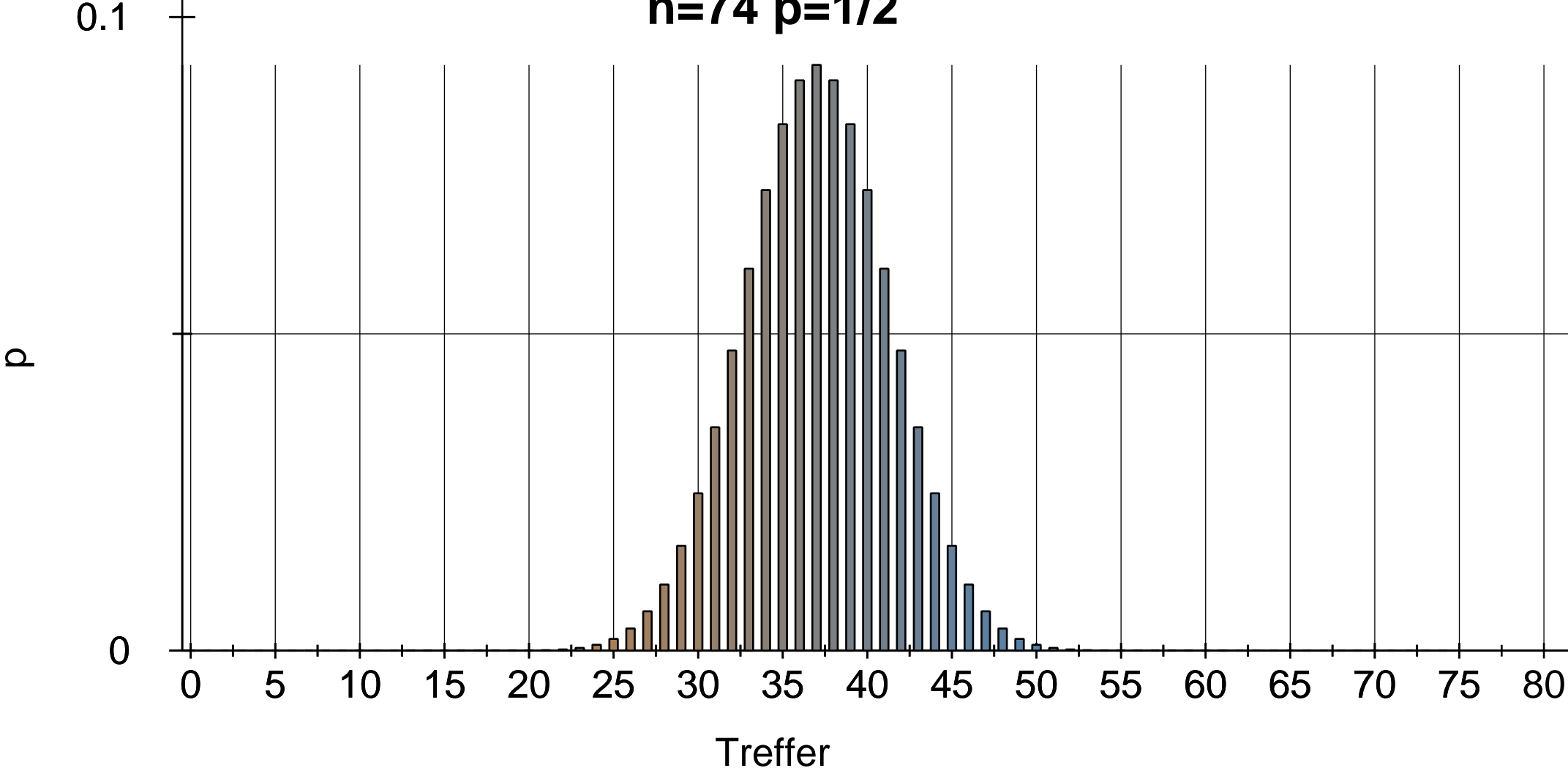
n=73 p=1/2



Mathematische Statistik

Binomialverteilung

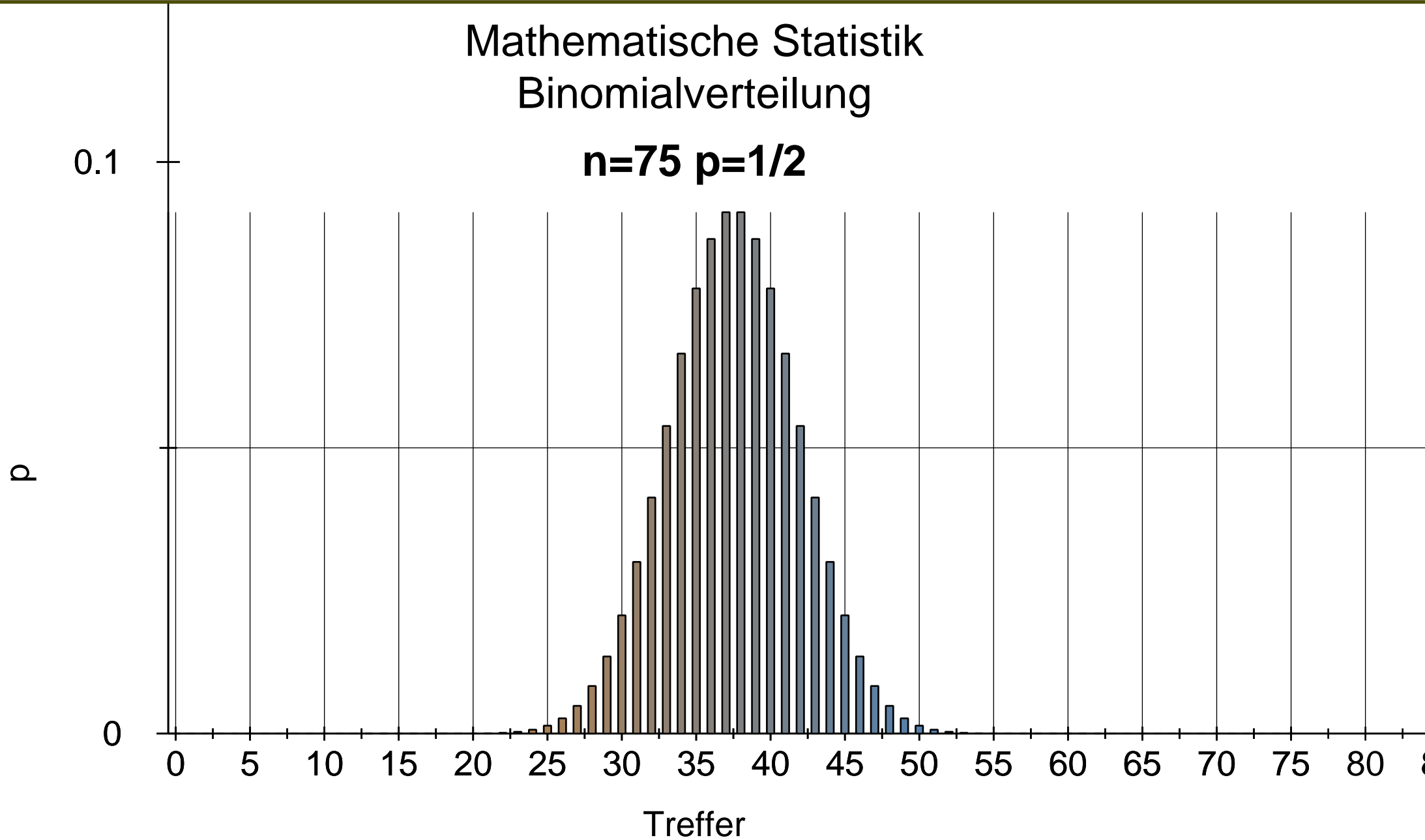
$n=74$ $p=1/2$



Mathematische Statistik

Binomialverteilung

$n=75$ $p=1/2$



Mathematische Statistik

Binomialverteilung

n=76 p=1/2

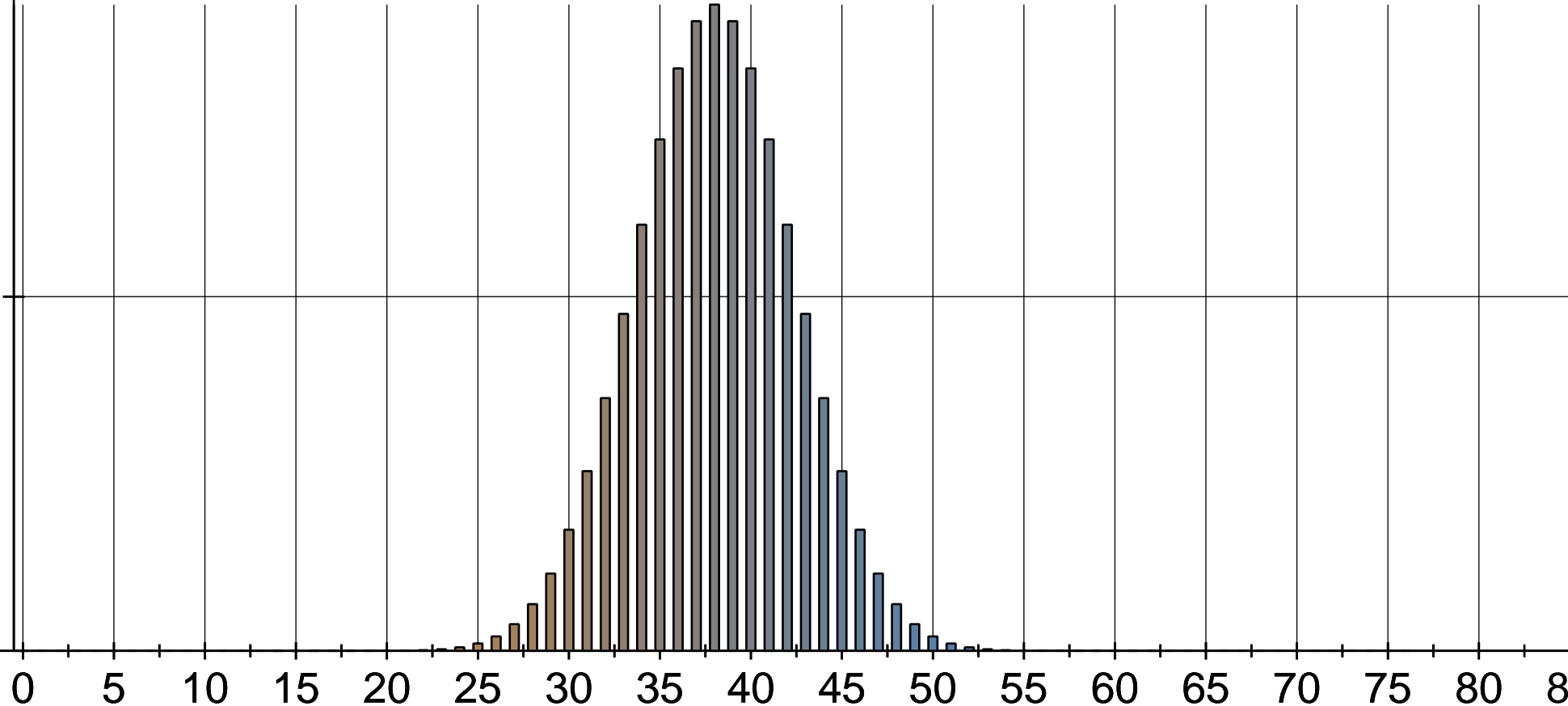
0.1

p

0

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Treffer



Mathematische Statistik

Binomialverteilung

$n=77$ $p=1/2$

p

0.1

0

0

5

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

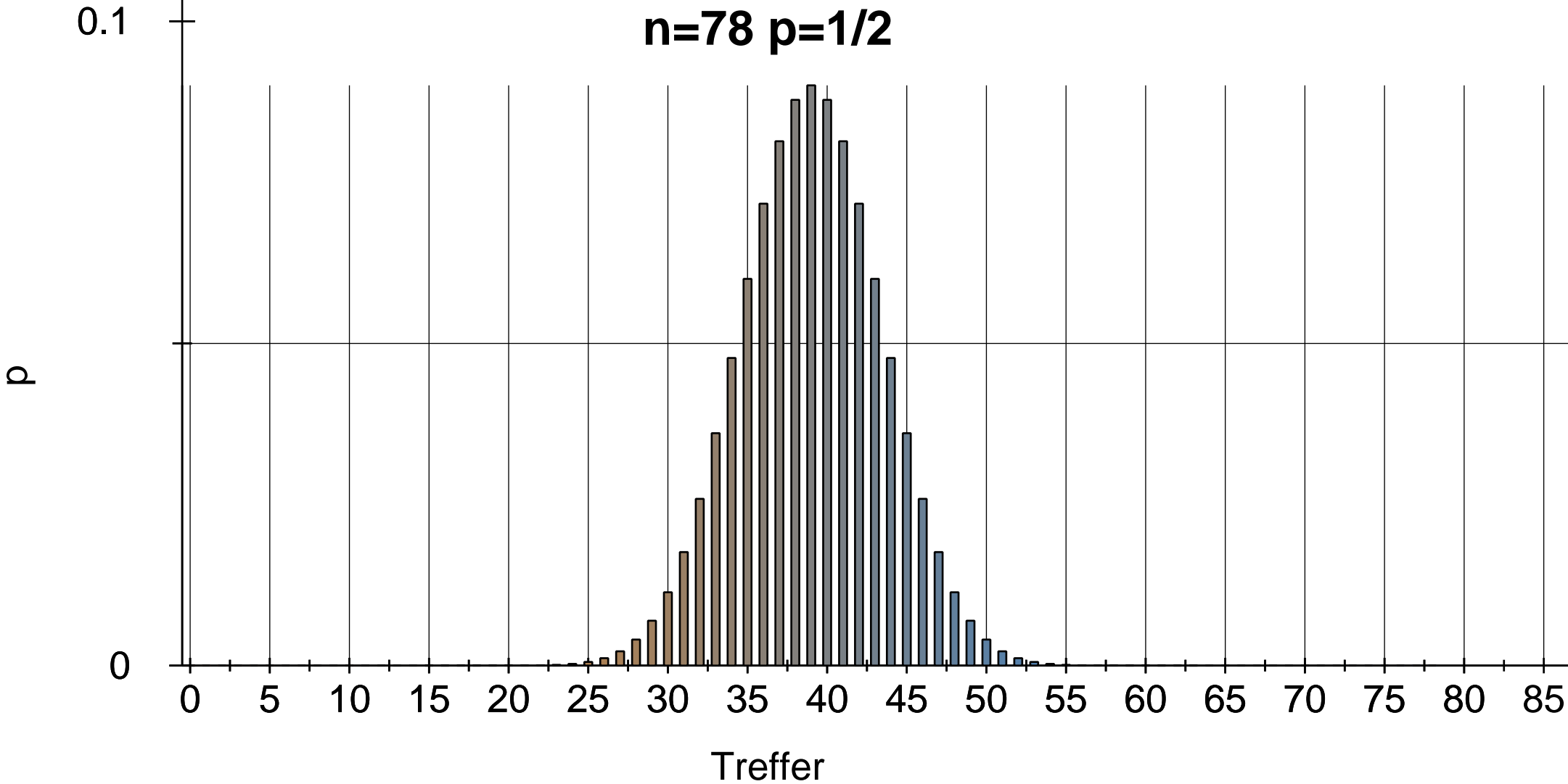
85

Treffer

Mathematische Statistik

Binomialverteilung

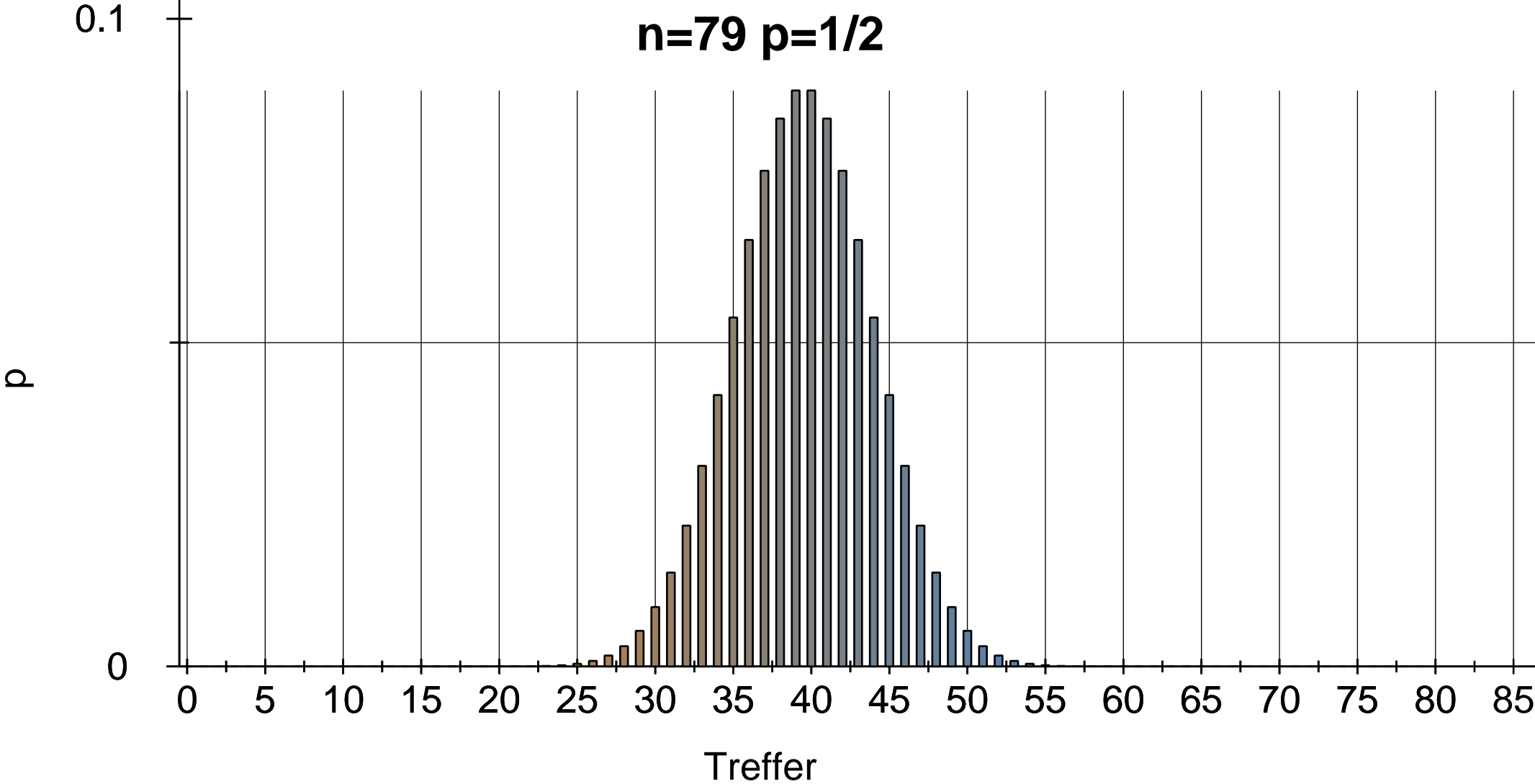
n=78 p=1/2



Mathematische Statistik

Binomialverteilung

n=79 p=1/2



Mathematische Statistik

Binomialverteilung

$n=80$ $p=1/2$

p

0.1

0

0

5

10

15

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90

Treffer

Mathematische Statistik

Binomialverteilung

n=81 p=1/2

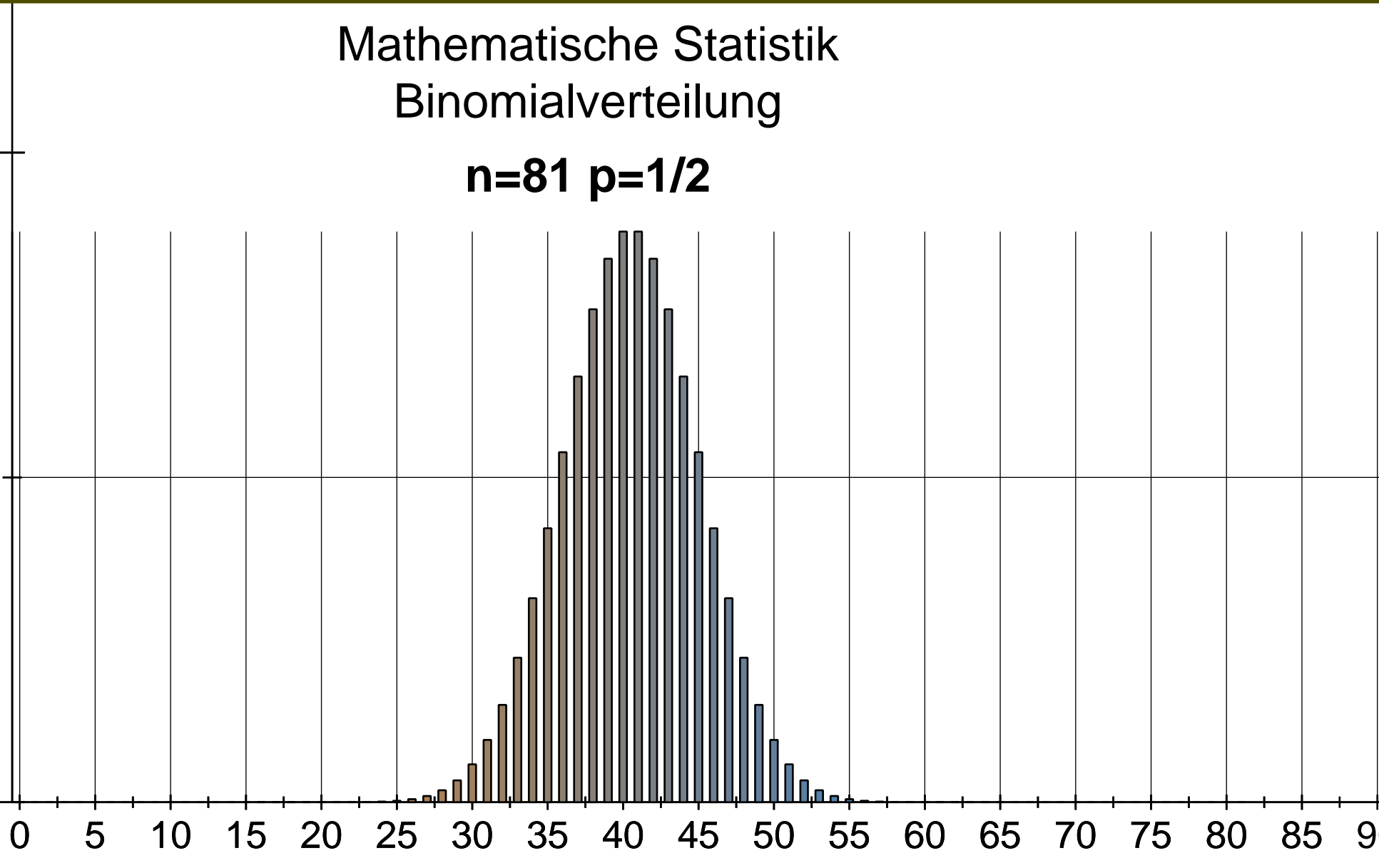
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Treffer



Mathematische Statistik
Binomialverteilung

n=82 p=1/2

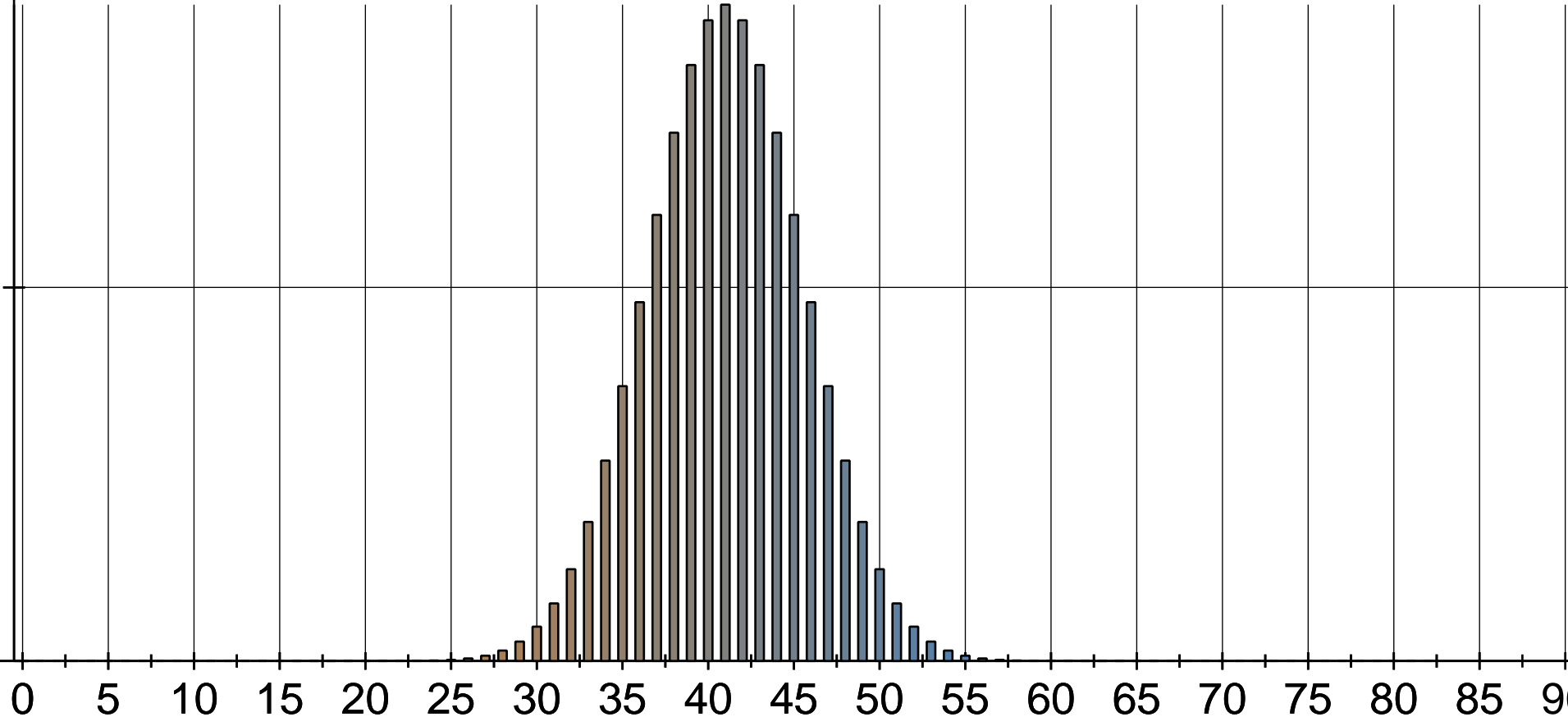
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Treffer



Mathematische Statistik

Binomialverteilung

$n=83$ $p=1/2$

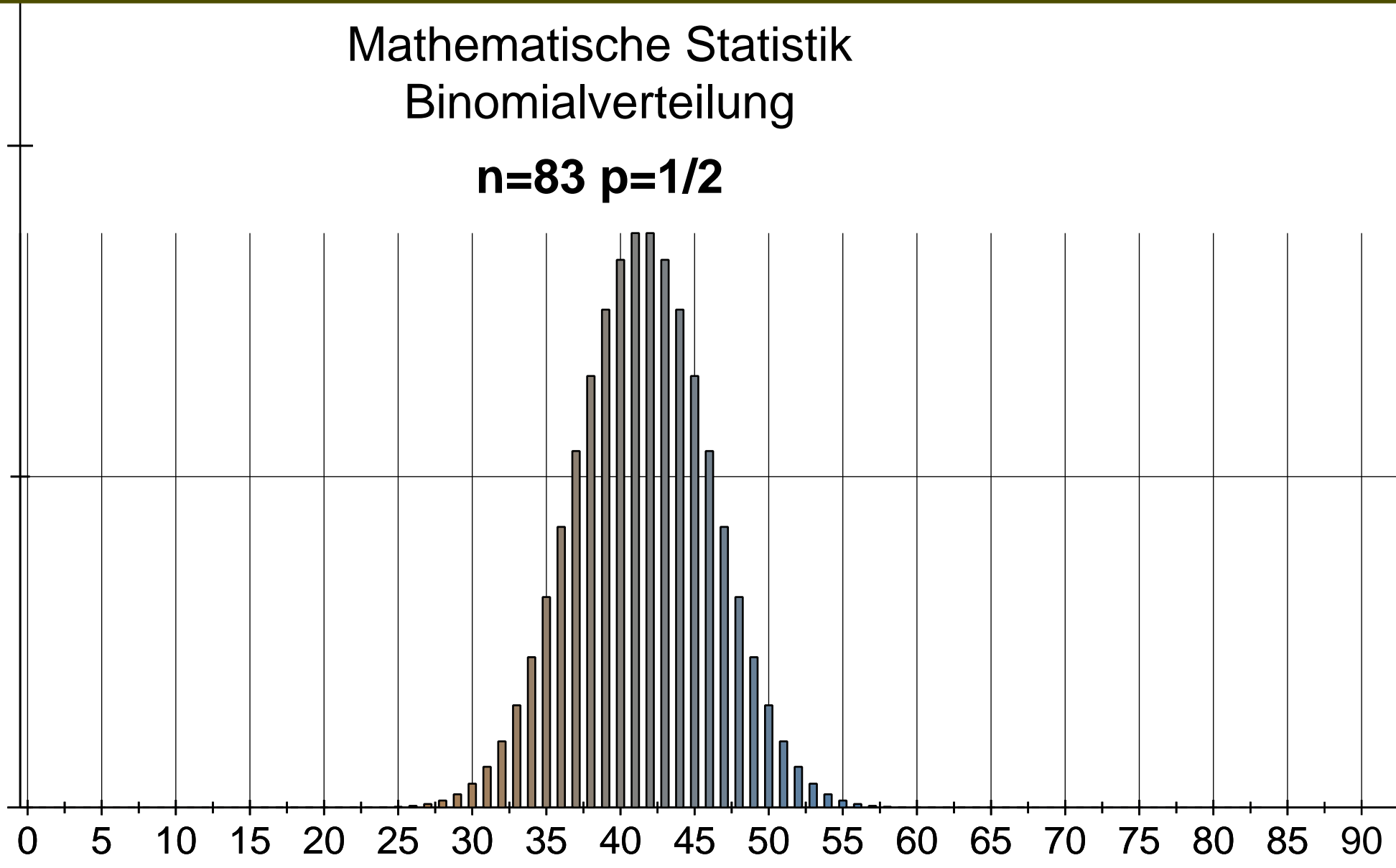
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Treffer



Mathematische Statistik

Binomialverteilung

n=84 p=1/2

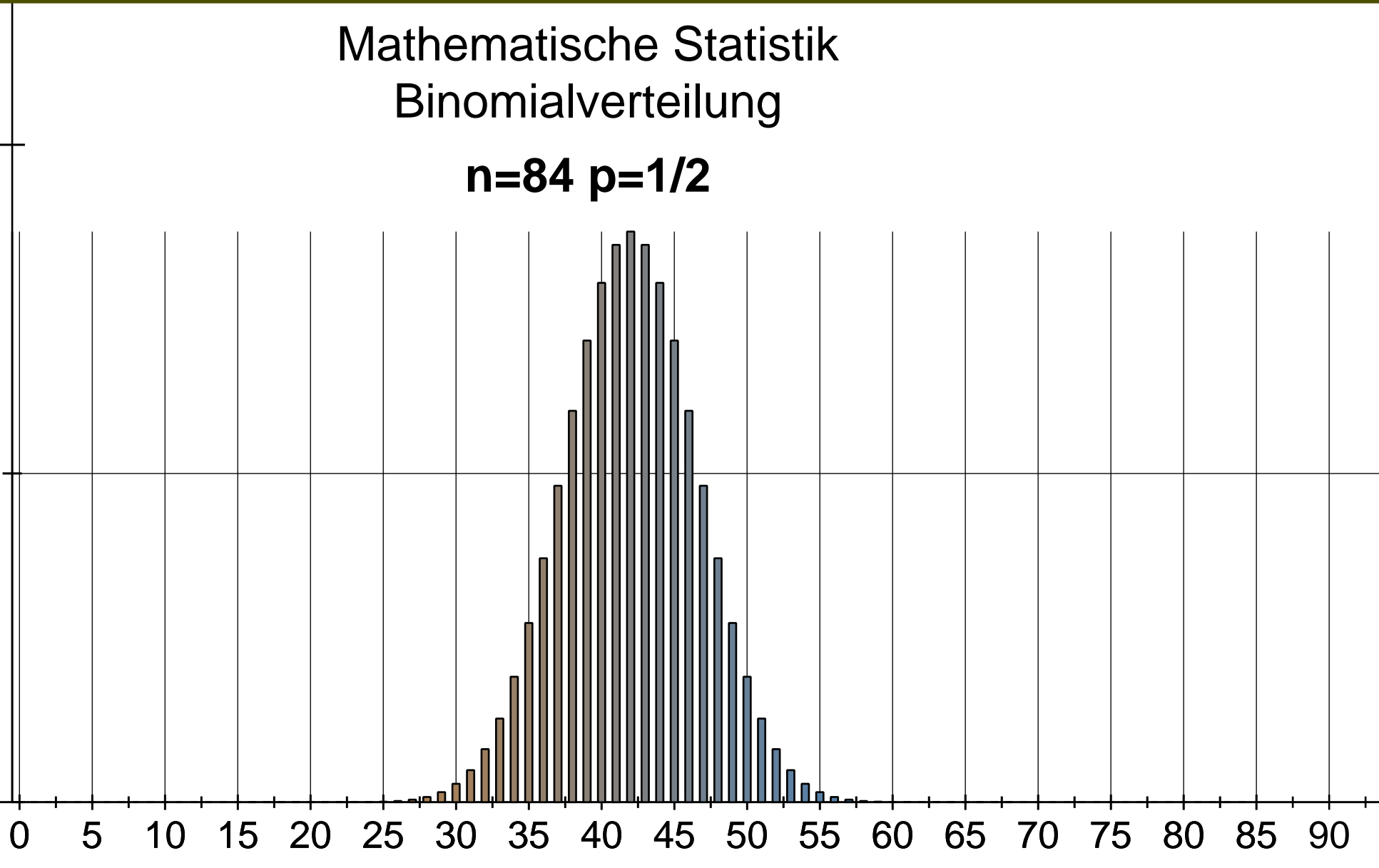
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Treffer



Mathematische Statistik

Binomialverteilung

n=85 p=1/2

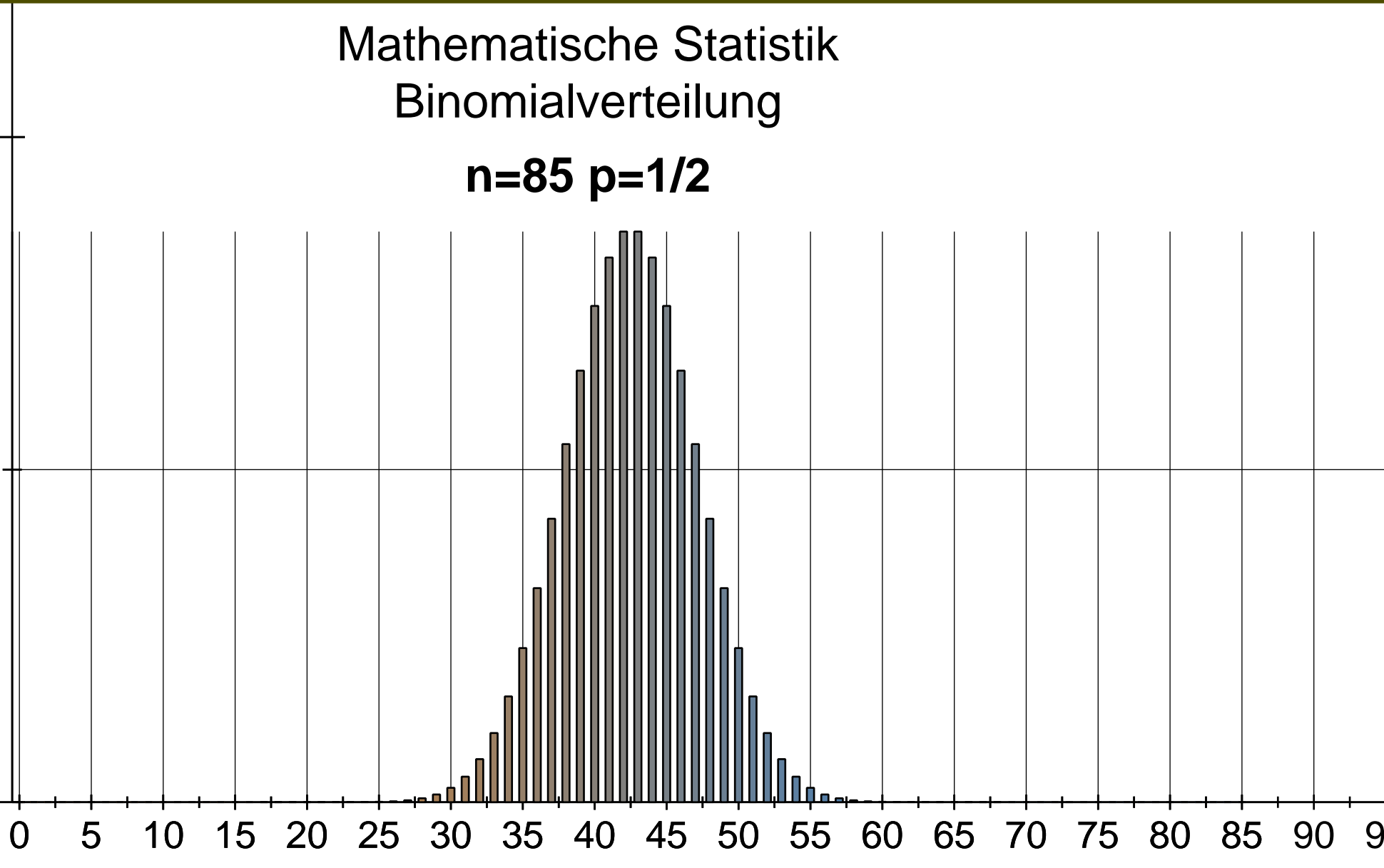
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Treffer



Mathematische Statistik

Binomialverteilung

n=86 p=1/2

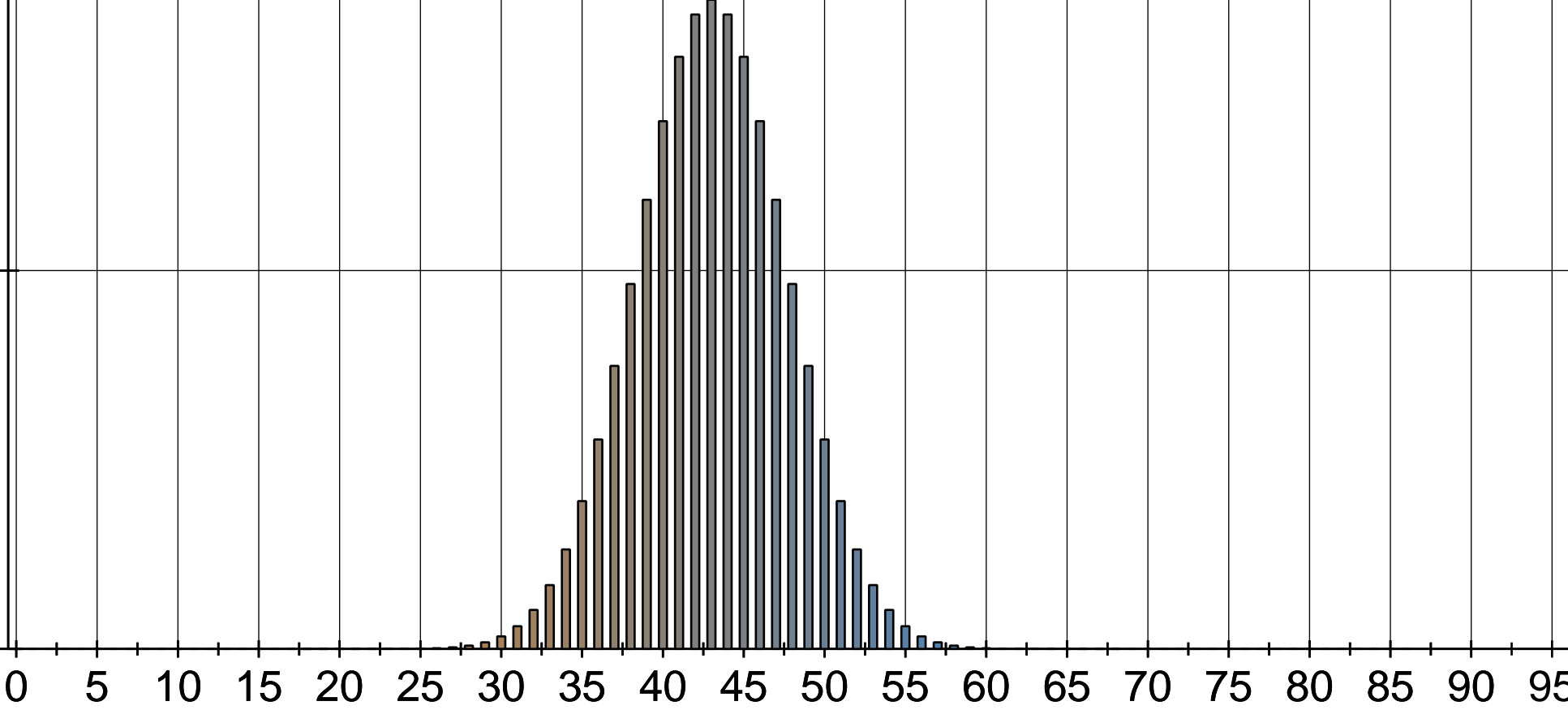
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Treffer



Mathematische Statistik

Binomialverteilung

n=87 p=1/2

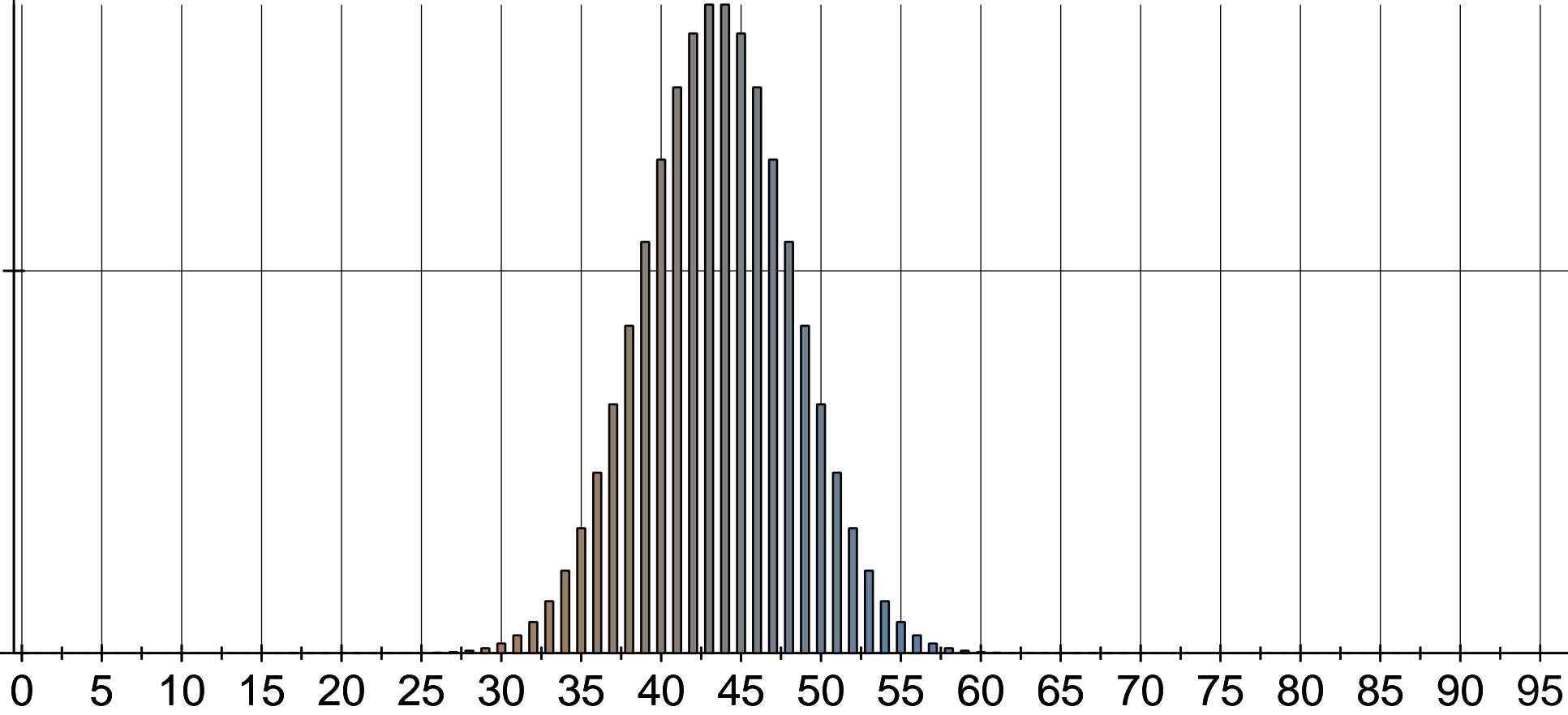
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Treffer



Mathematische Statistik

Binomialverteilung

n=88 p=1/2

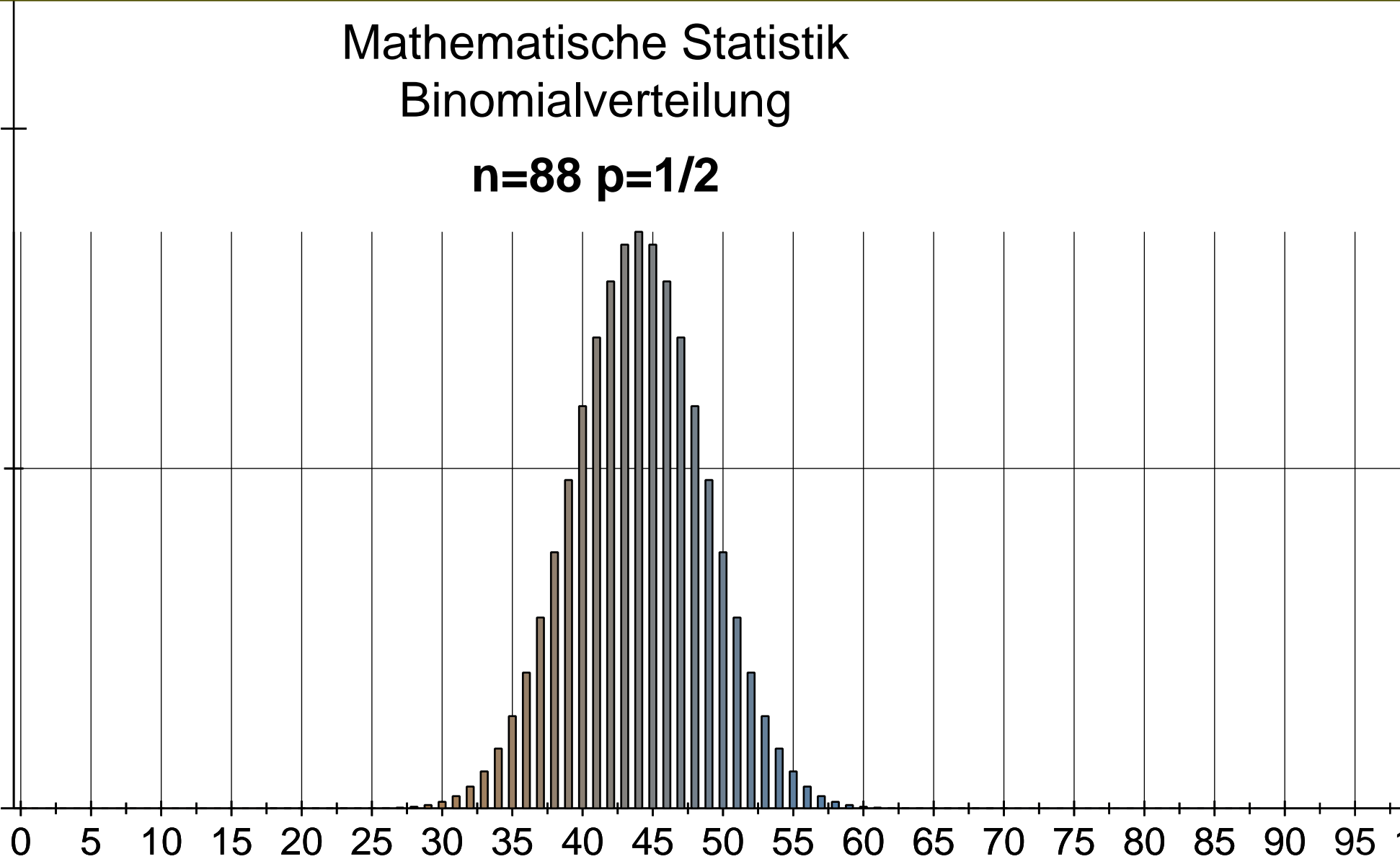
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Treffer



Mathematische Statistik

Binomialverteilung

$n=89$ $p=1/2$

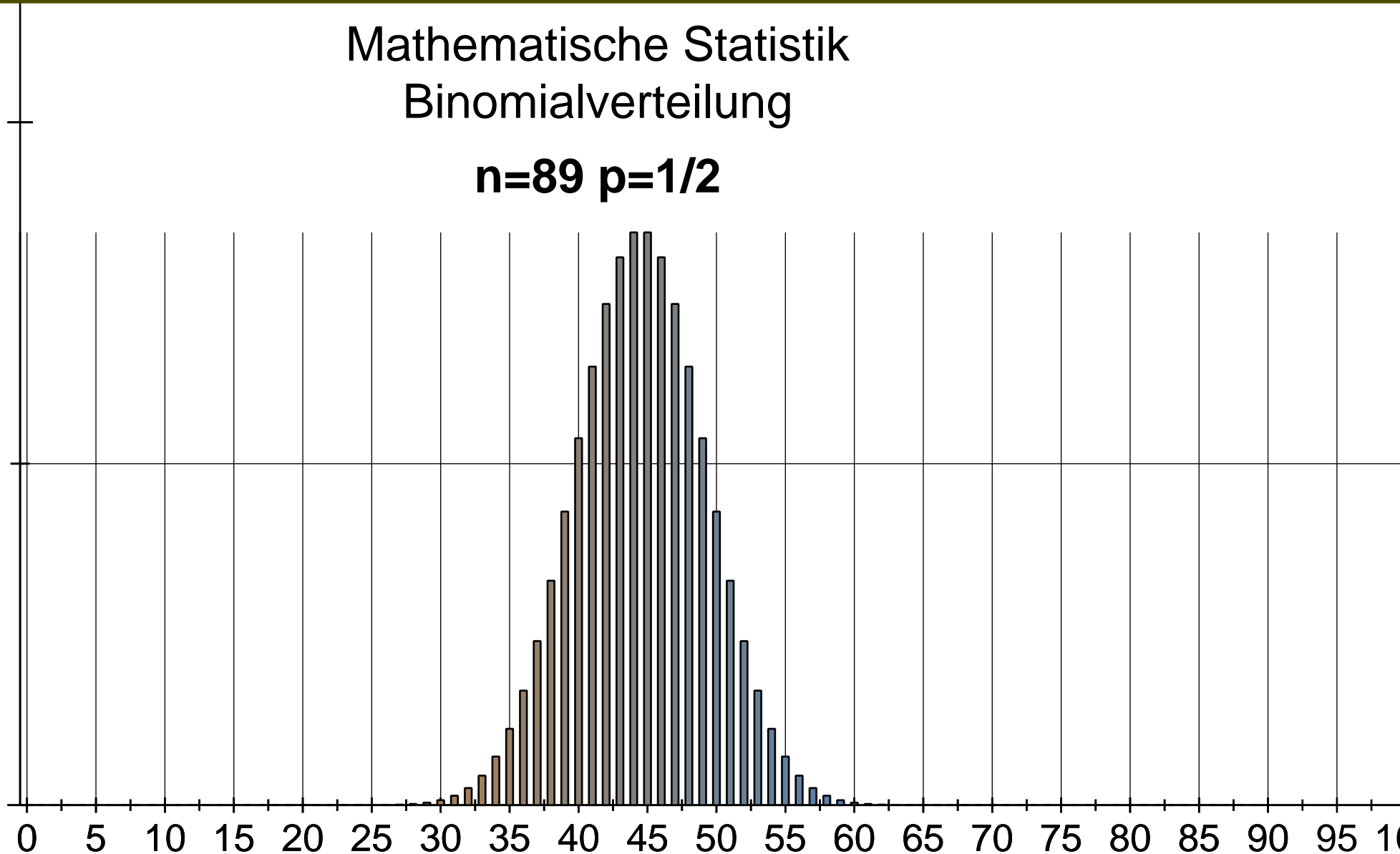
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Treffer



Mathematische Statistik

Binomialverteilung

n=90 p=1/2

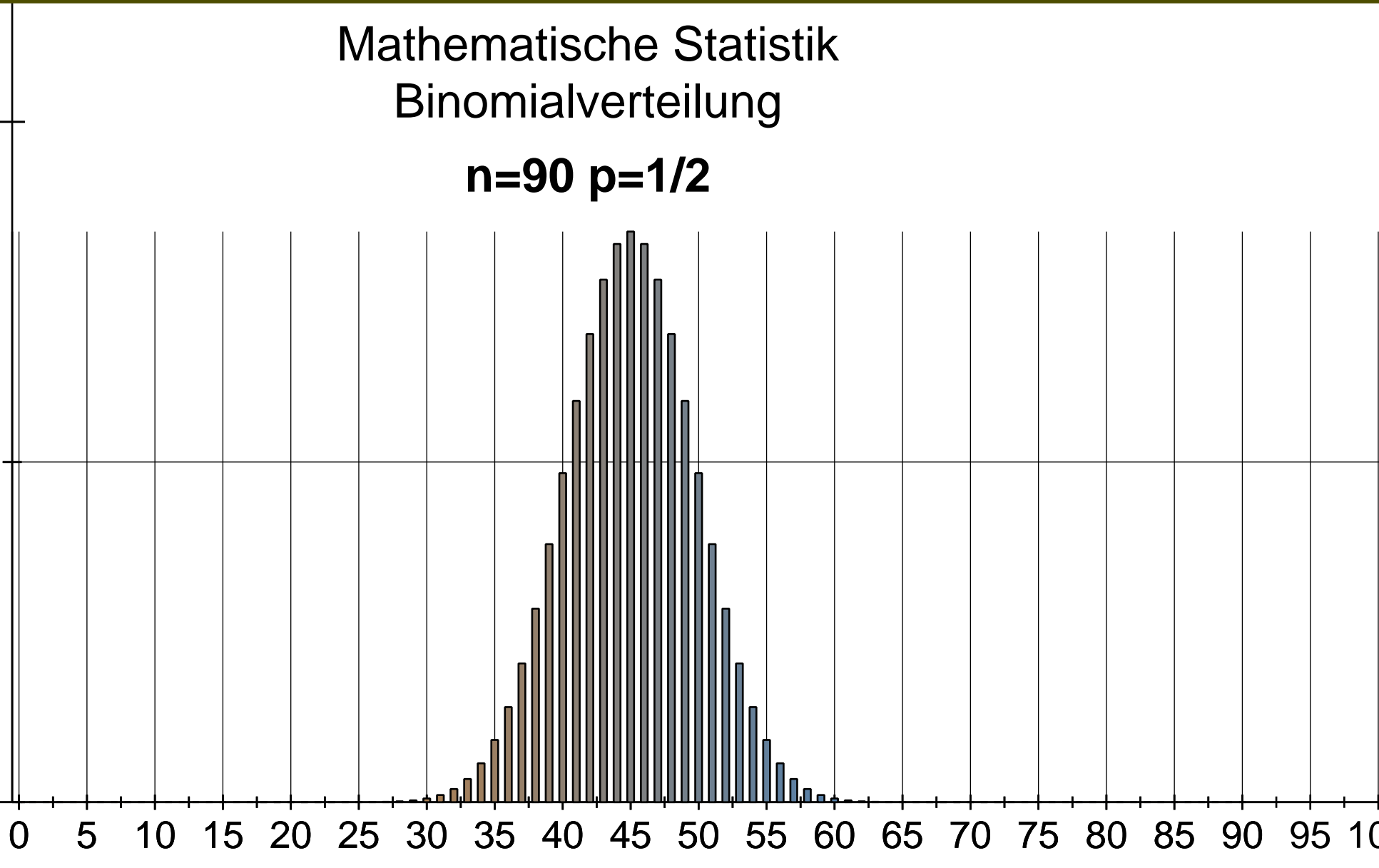
p

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Treffer



Mathematische Statistik

Binomialverteilung

n=91 p=1/2

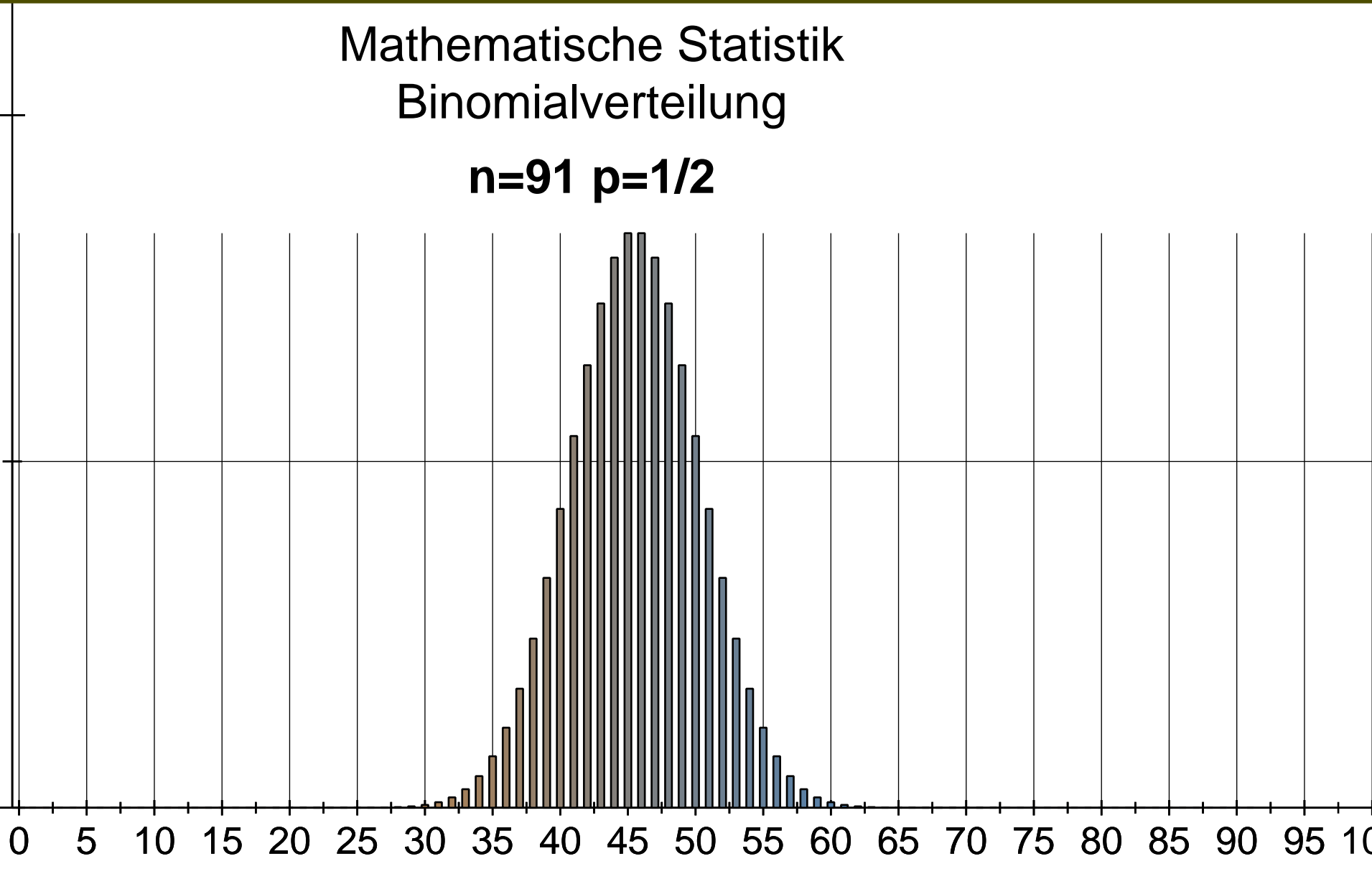
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Treffer



Mathematische Statistik

Binomialverteilung

n=92 p=1/2

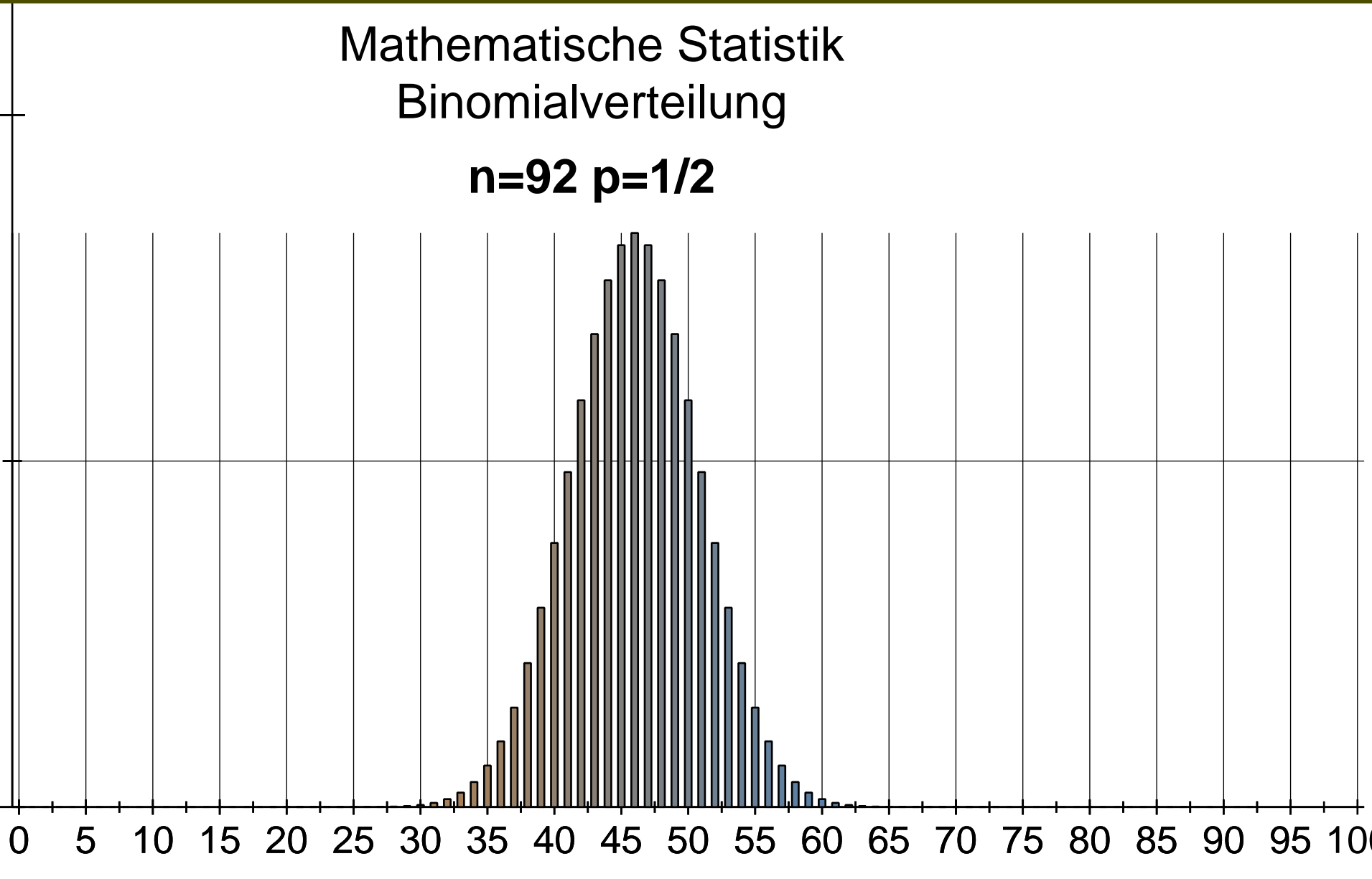
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Treffer



Mathematische Statistik

Binomialverteilung

n=93 p=1/2

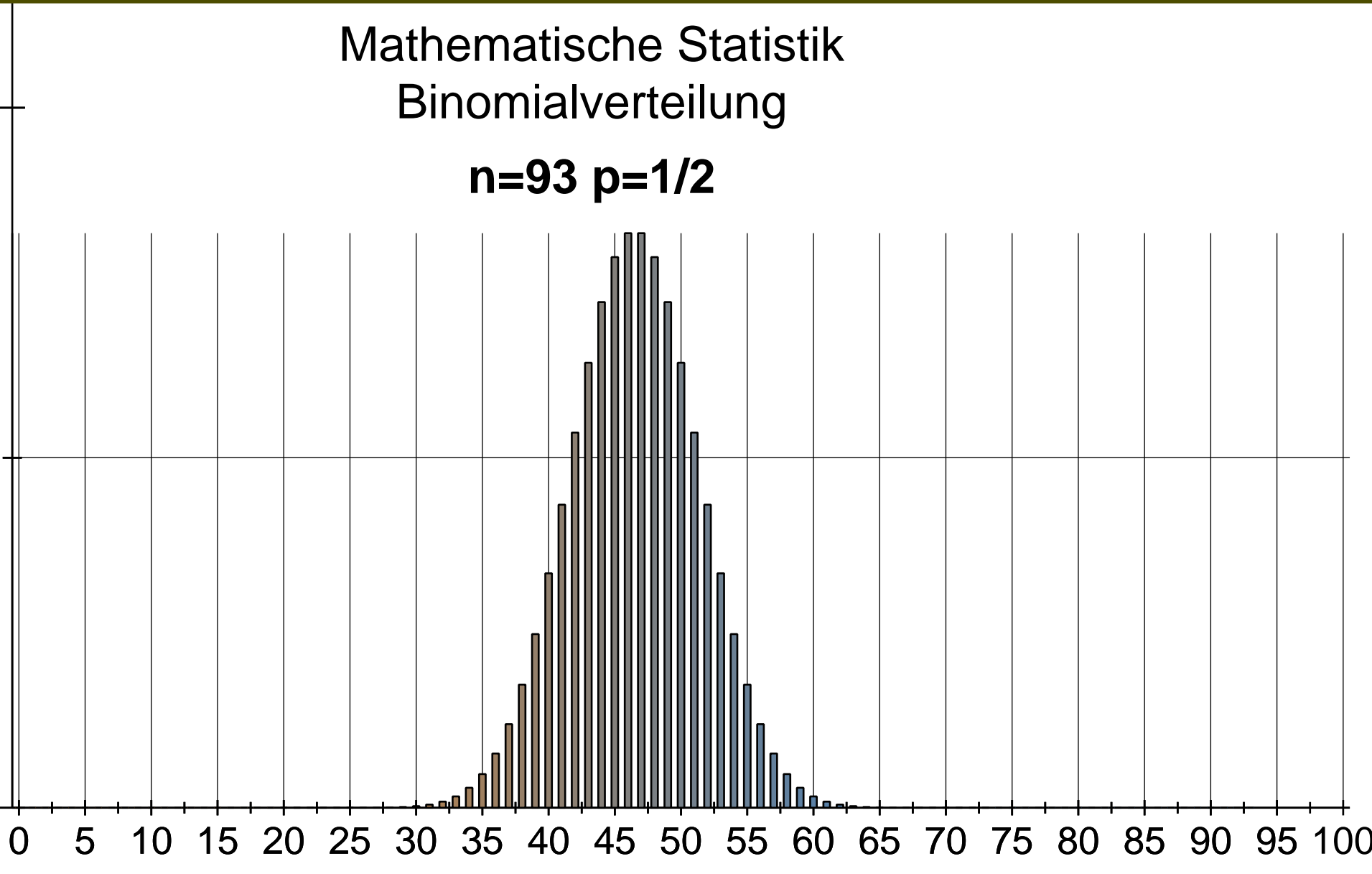
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Treffer



Mathematische Statistik

Binomialverteilung

$n=94$ $p=1/2$

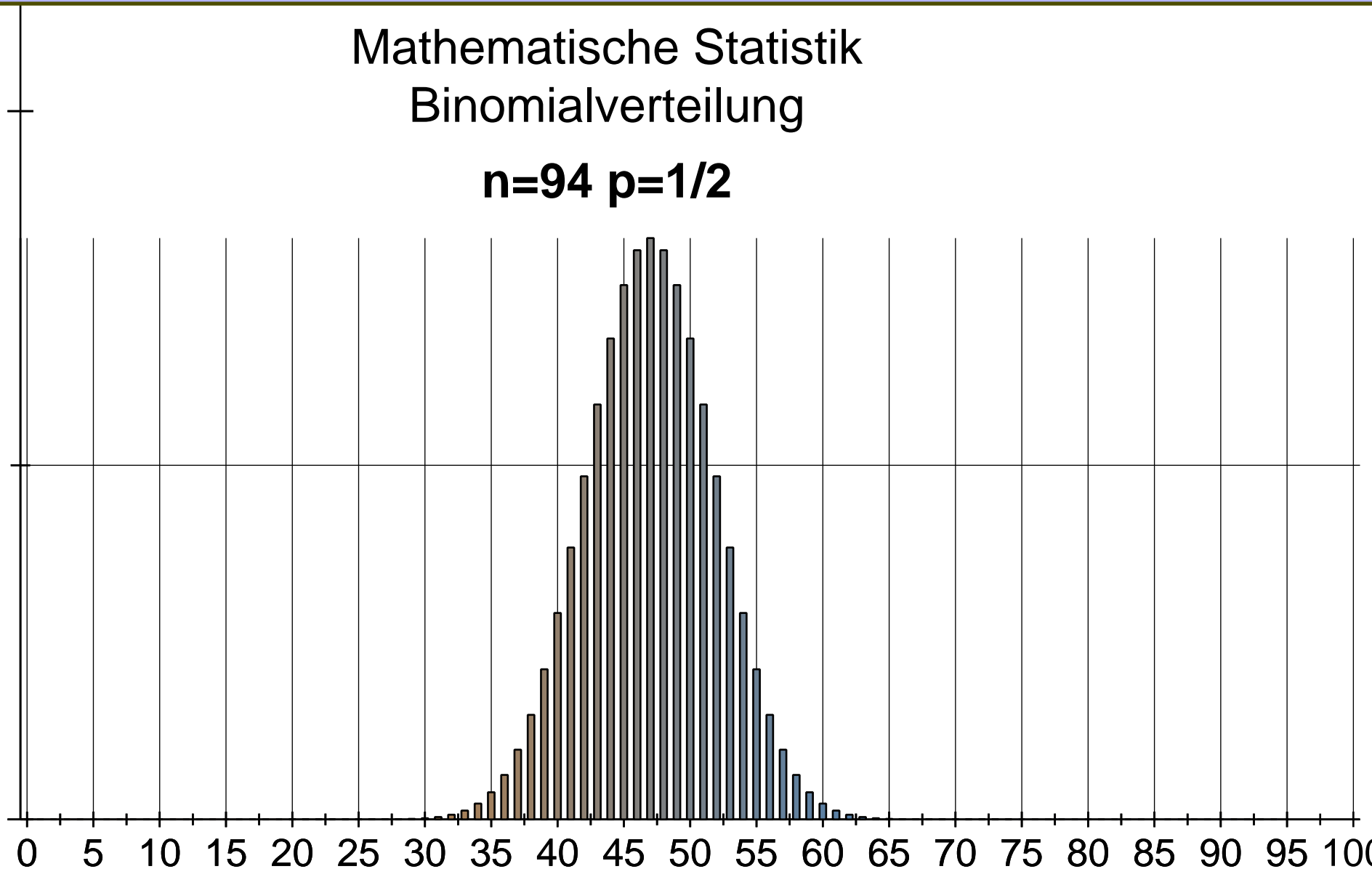
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Treffer



Mathematische Statistik

Binomialverteilung

$n=95$ $p=1/2$

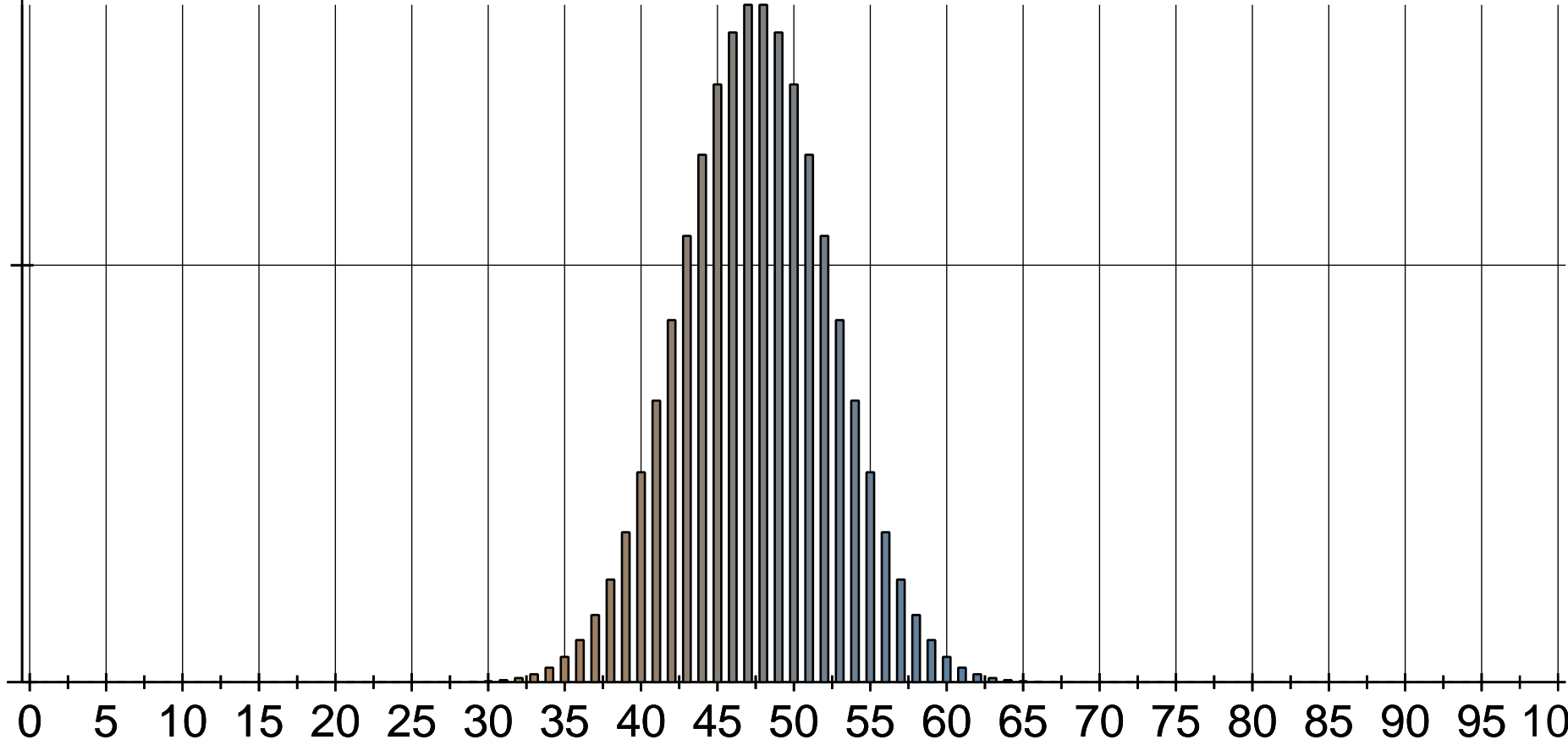
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Treffer



Mathematische Statistik

Binomialverteilung

n=96 p=1/2

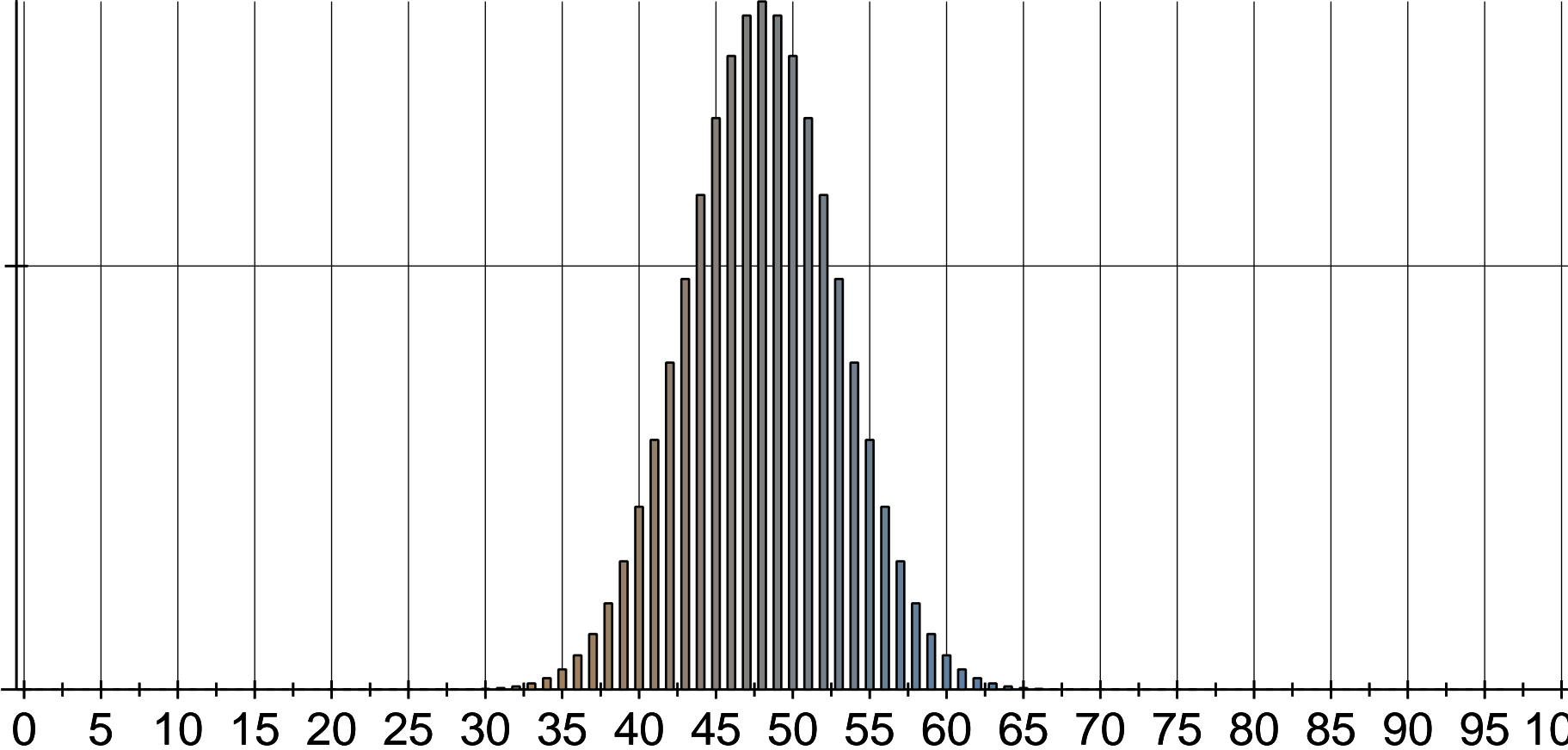
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Treffer



Mathematische Statistik

Binomialverteilung

$n=97$ $p=1/2$

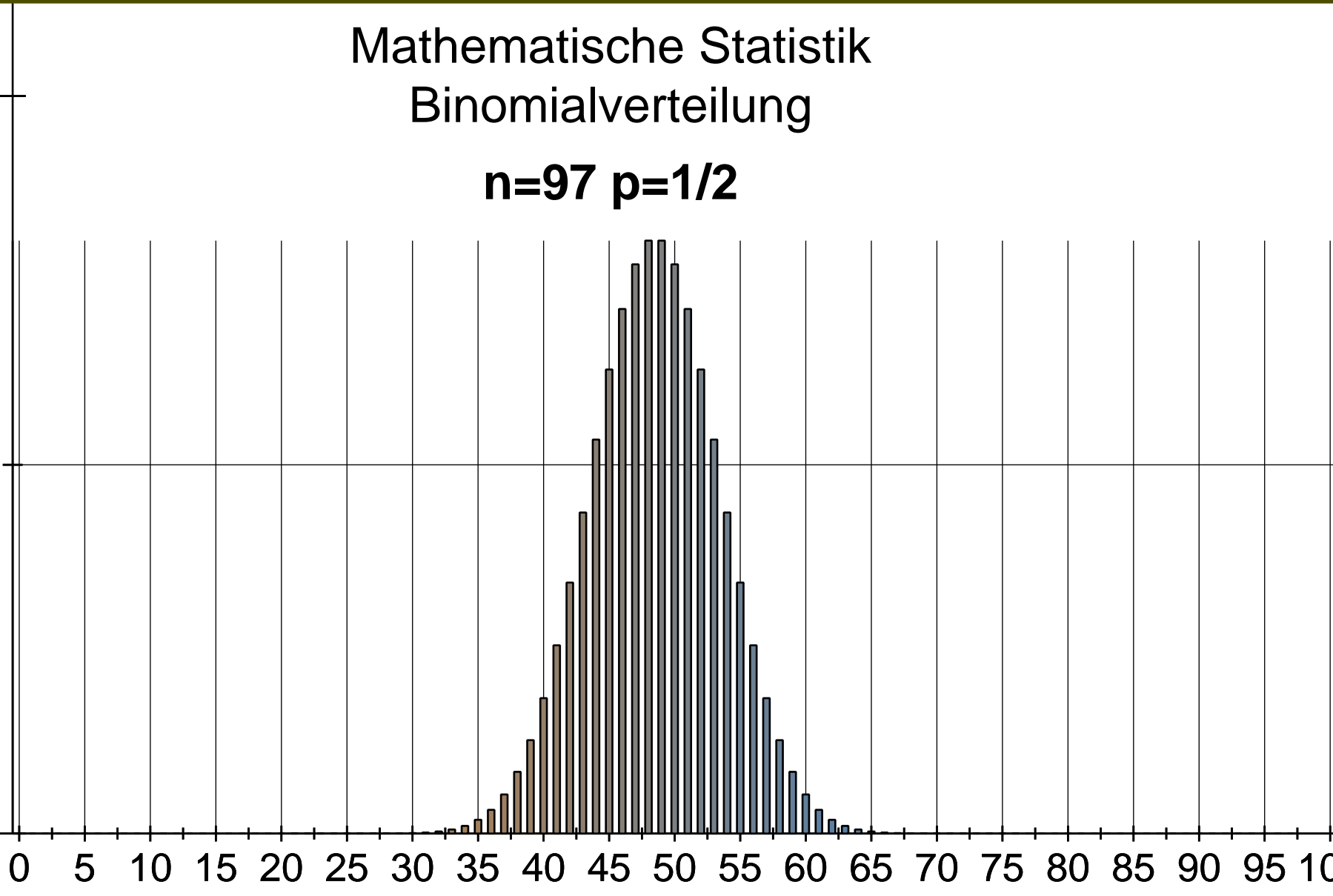
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Treffer



Mathematische Statistik

Binomialverteilung

$n=97$ $p=1/2$

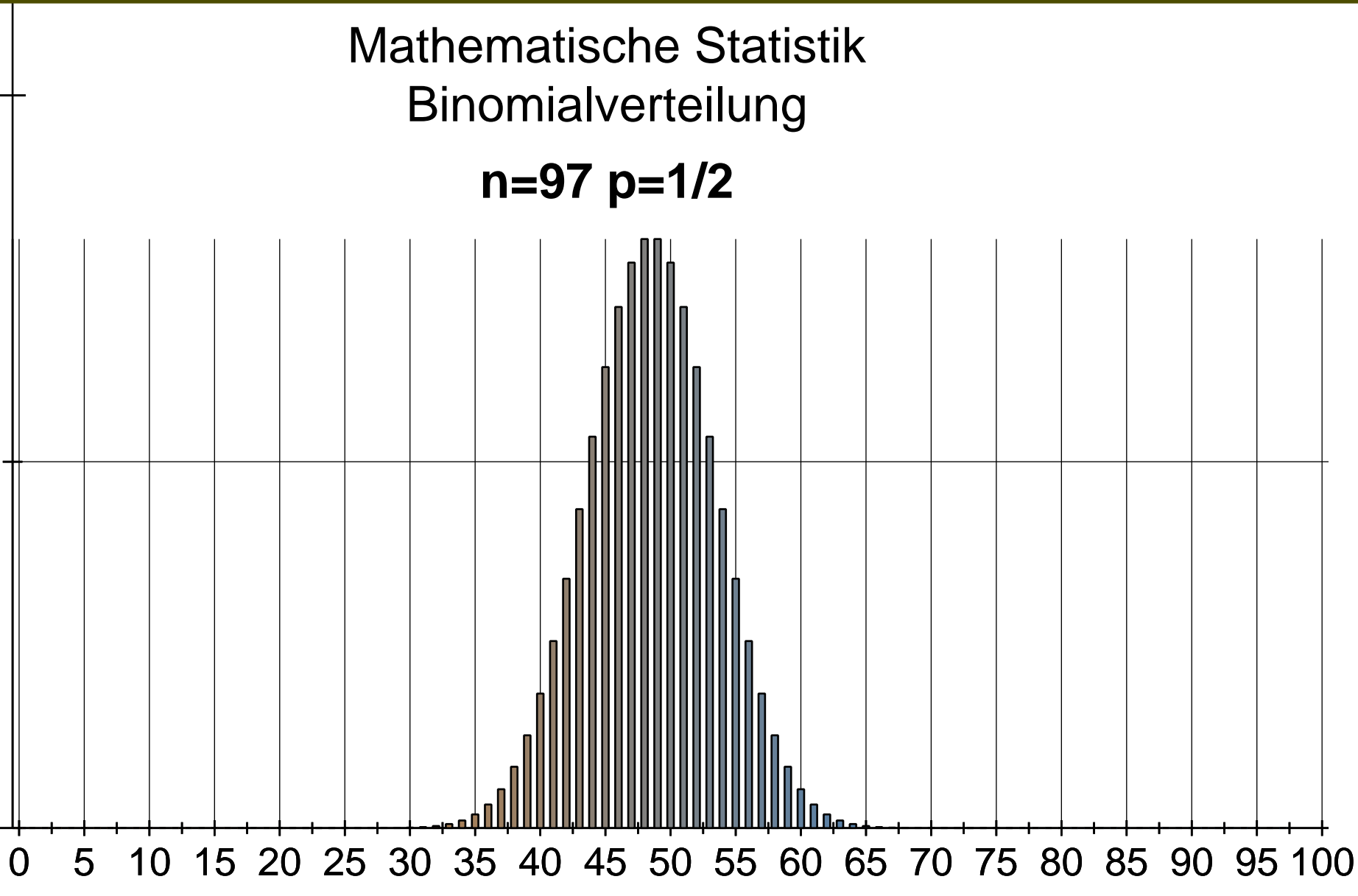
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Treffer



Mathematische Statistik

Binomialverteilung

n=98 p=1/2

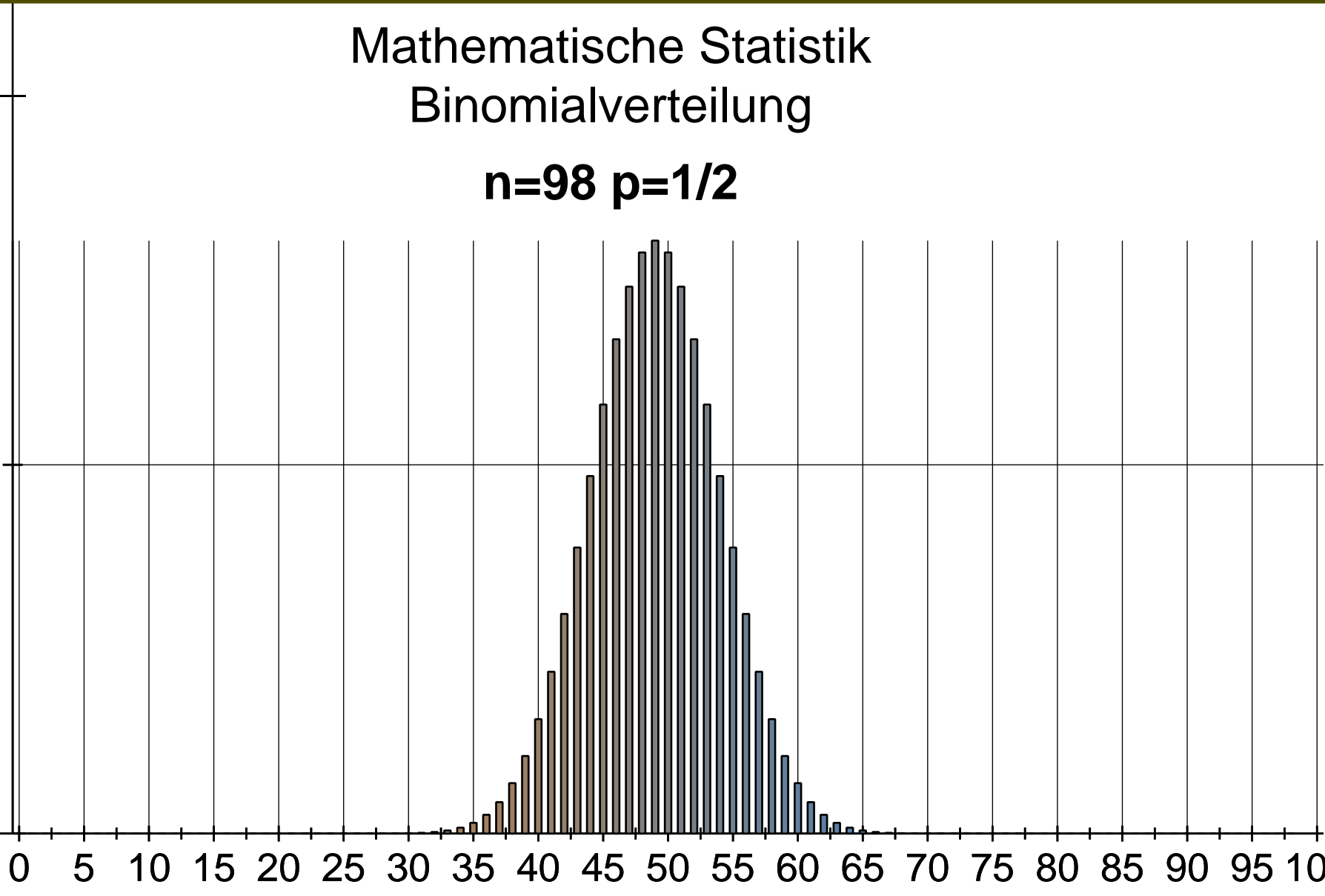
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Treffer



Mathematische Statistik

Binomialverteilung

n=98 p=1/2

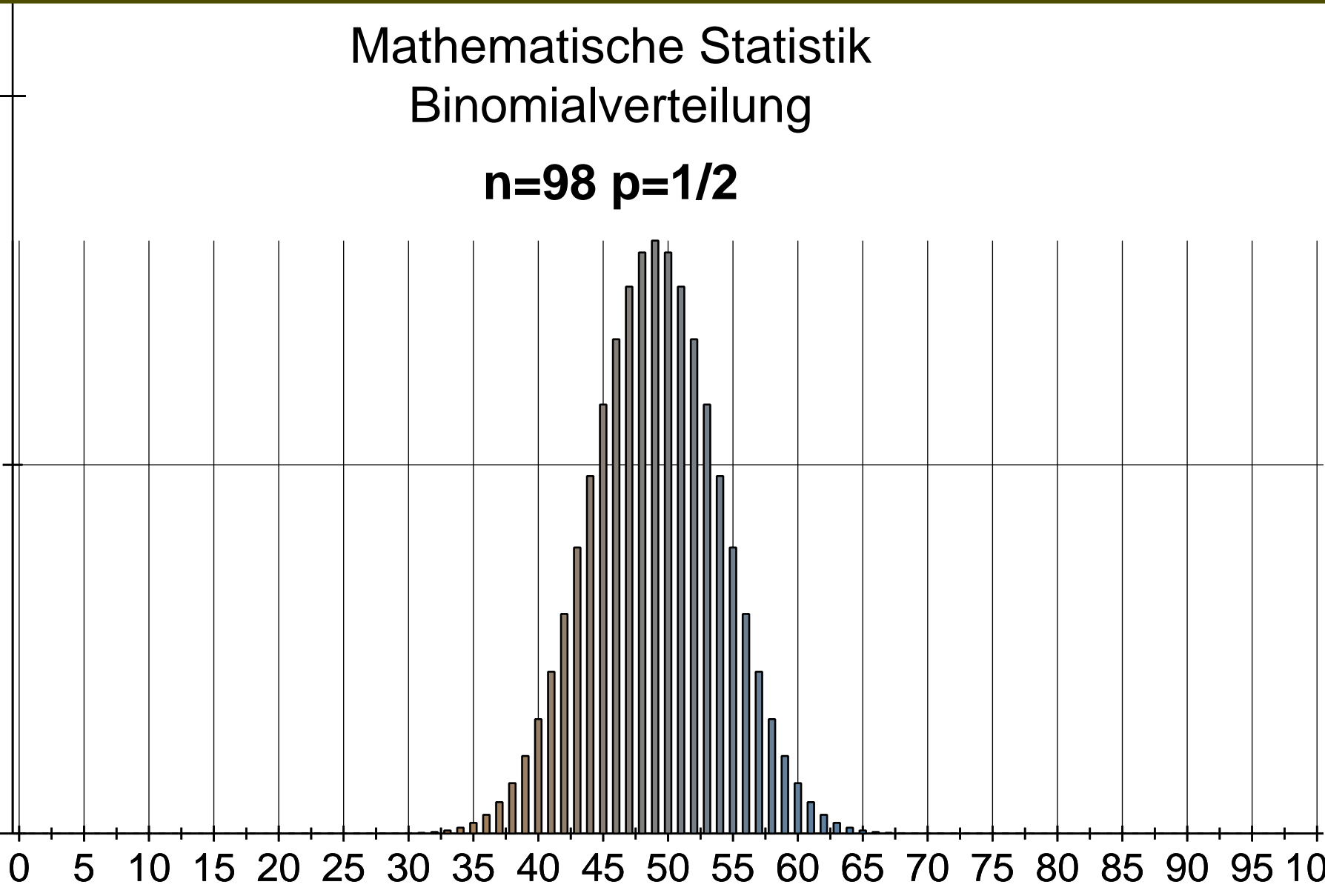
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Treffer



Mathematische Statistik

Binomialverteilung

$n=98$ $p=1/2$

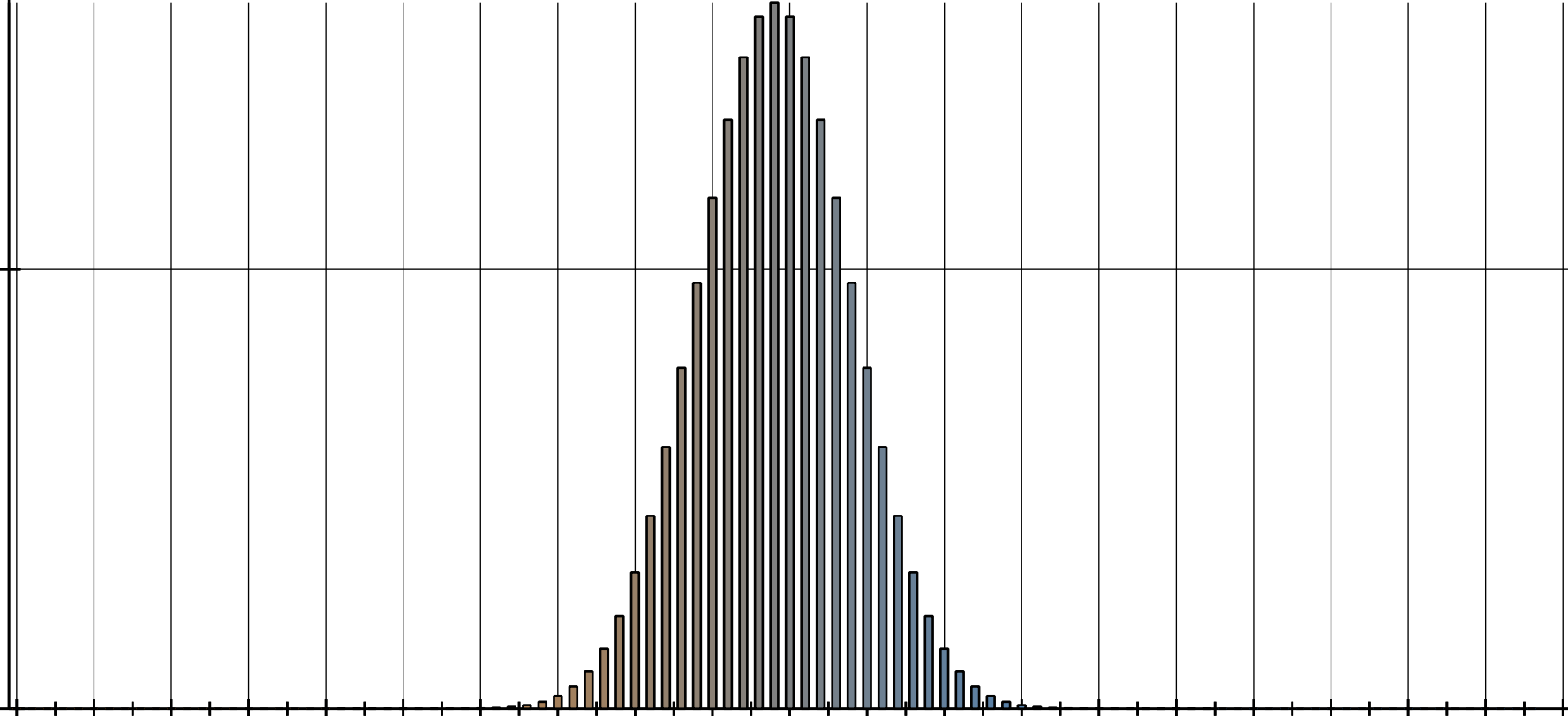
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Treffer



Mathematische Statistik

Binomialverteilung

n=99 p=1/2

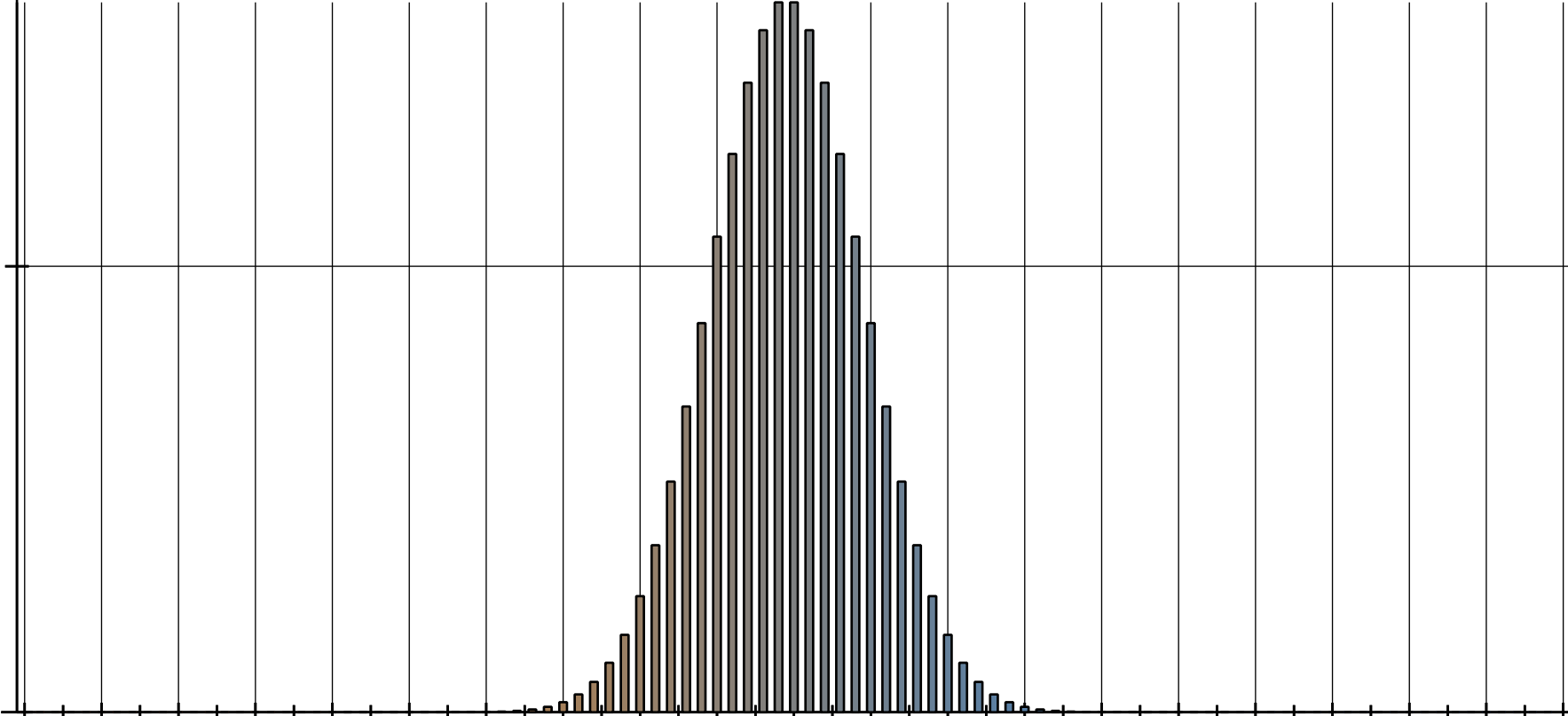
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Treffer



Mathematische Statistik

Binomialverteilung

n=99 p=1/2

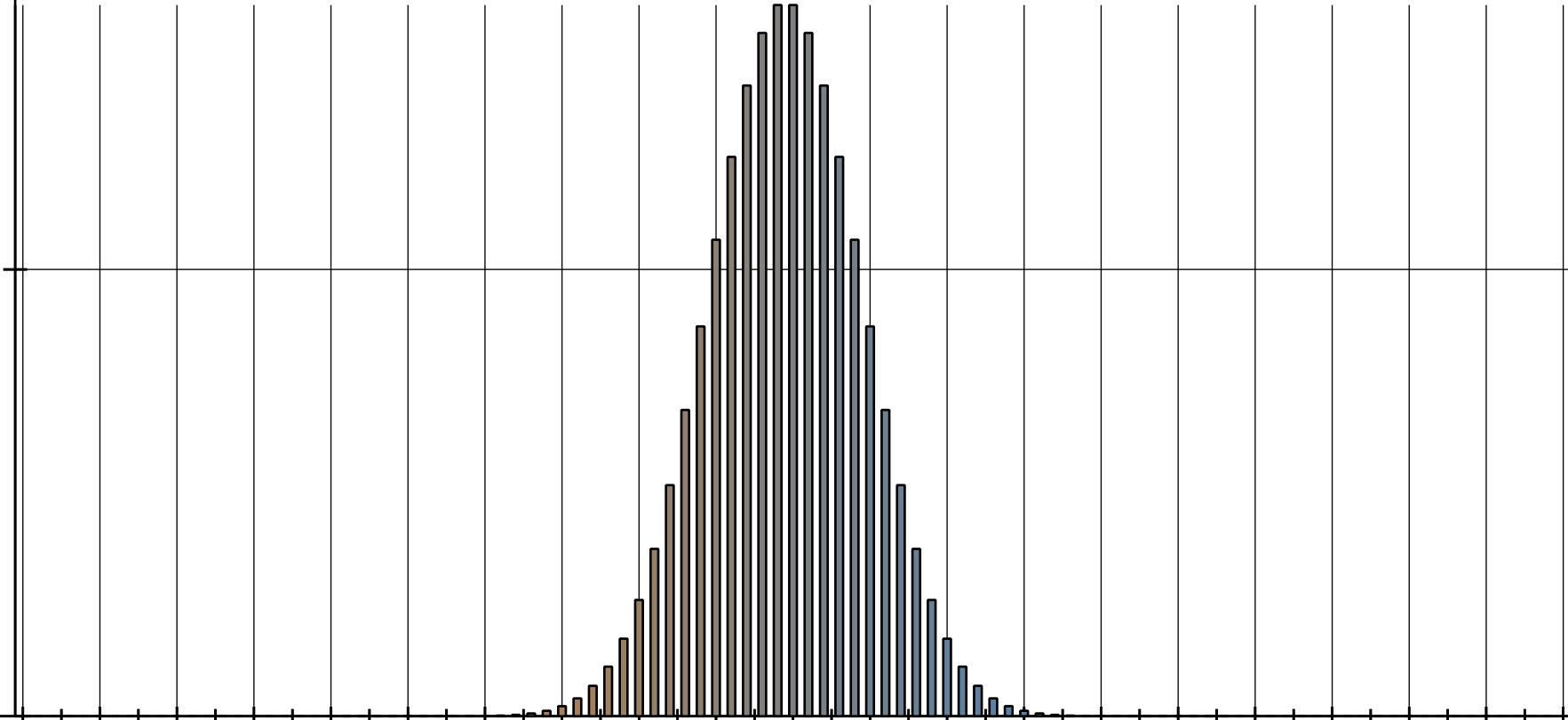
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Treffer



Mathematische Statistik

Binomialverteilung

$n=99$ $p=1/2$

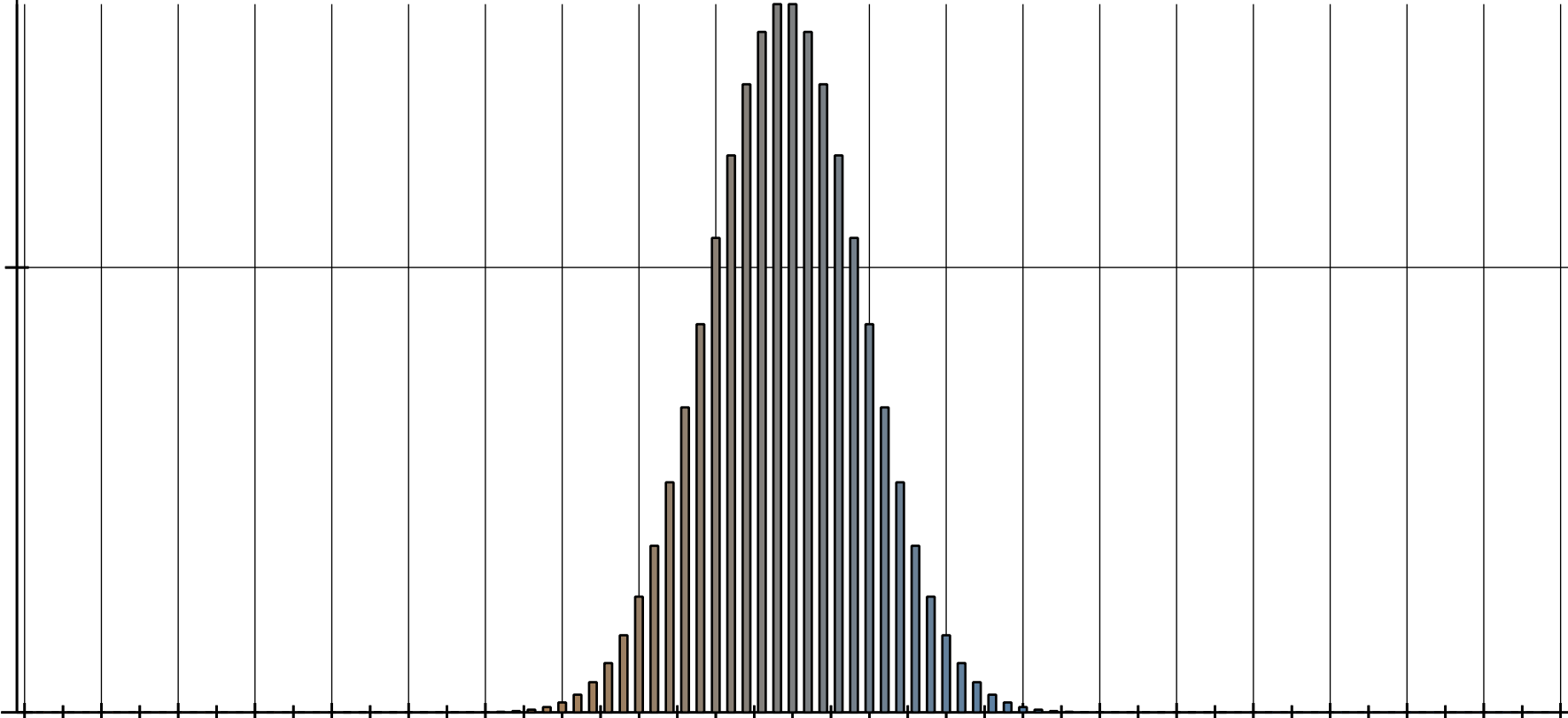
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Treffer



Mathematische Statistik

Binomialverteilung

n=99 p=1/2

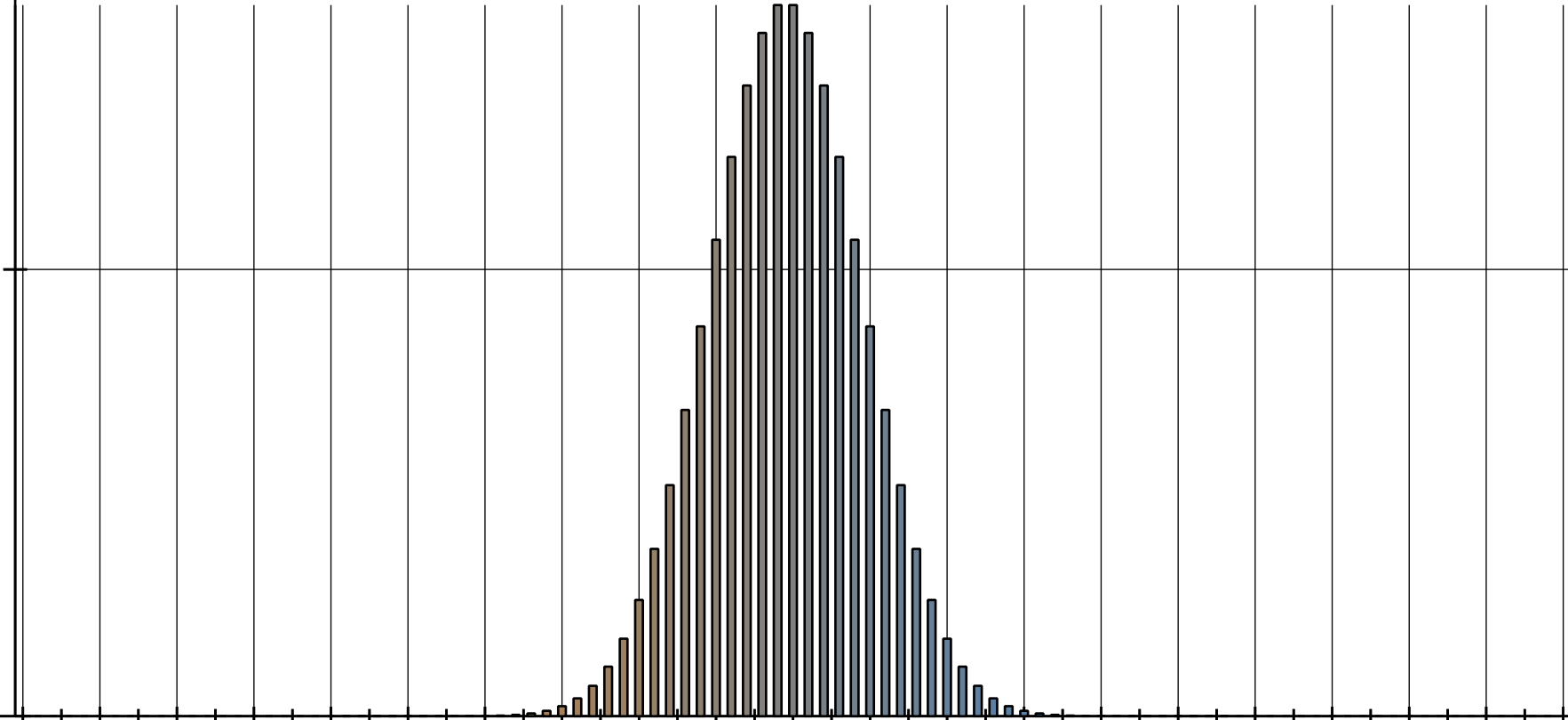
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Treffer



Mathematische Statistik

Binomialverteilung

$n=100$ $p=1/2$

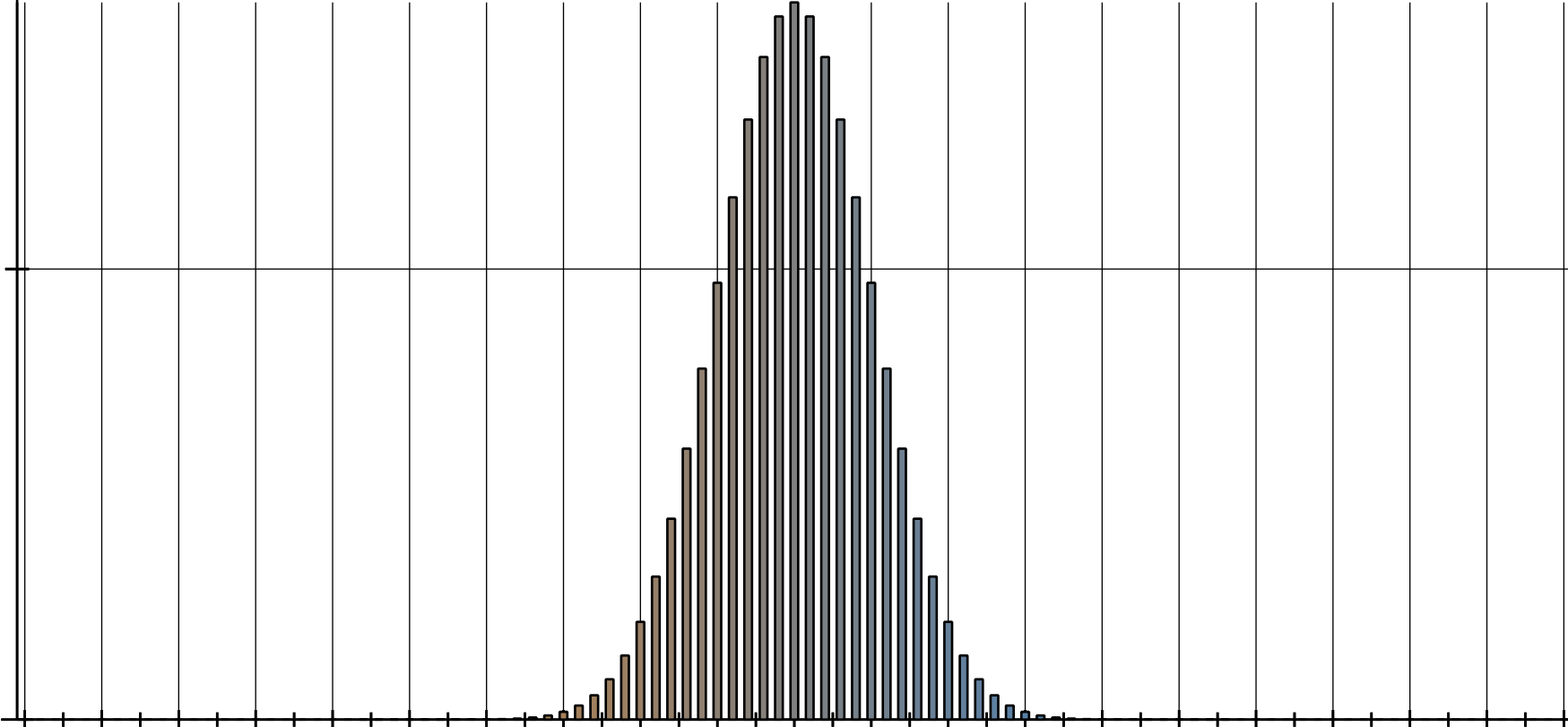
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Treffer



Mathematische Statistik

Binomialverteilung

$n=100$ $p=1/2$

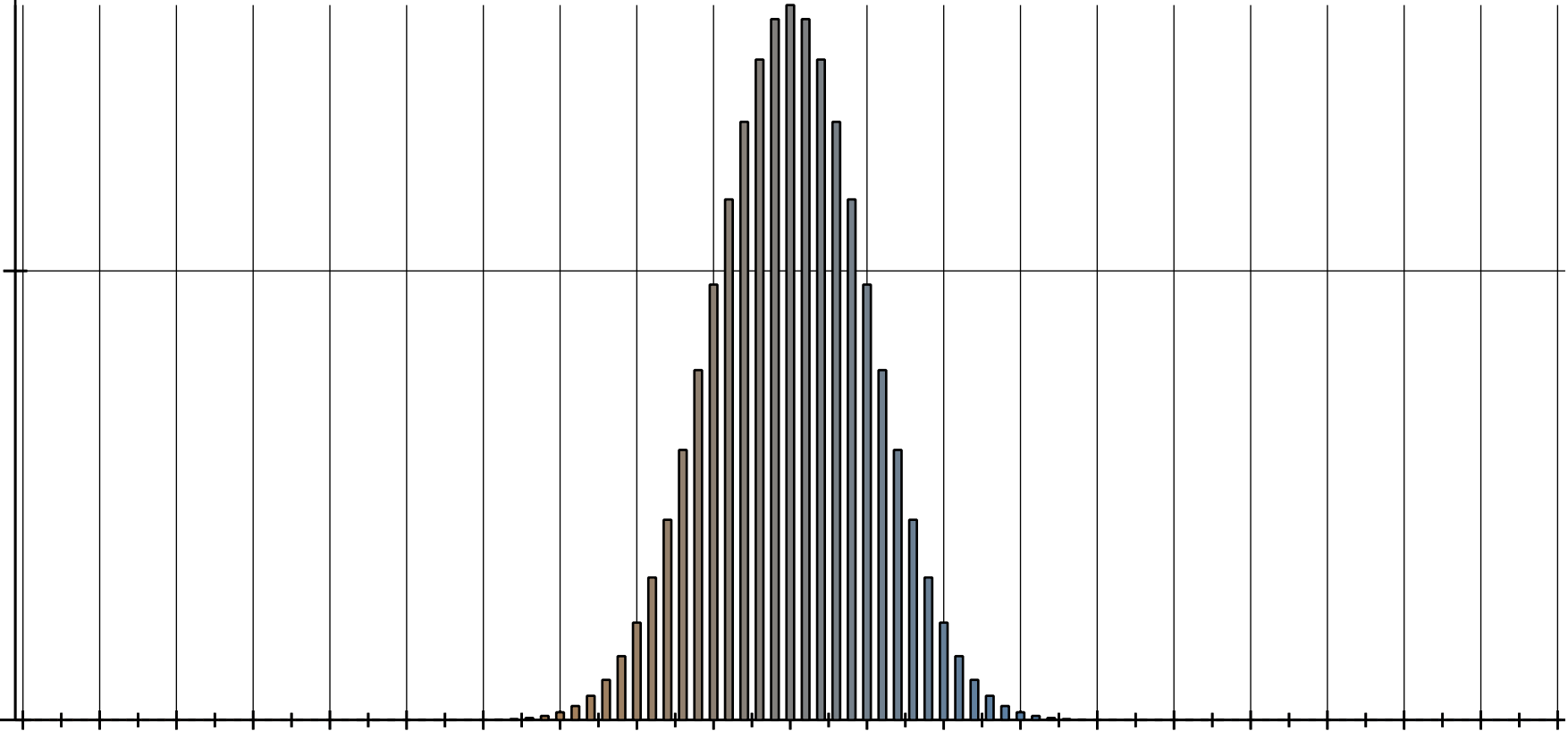
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Treffer



Mathematische Statistik

Binomialverteilung

$n=100$ $p=1/2$

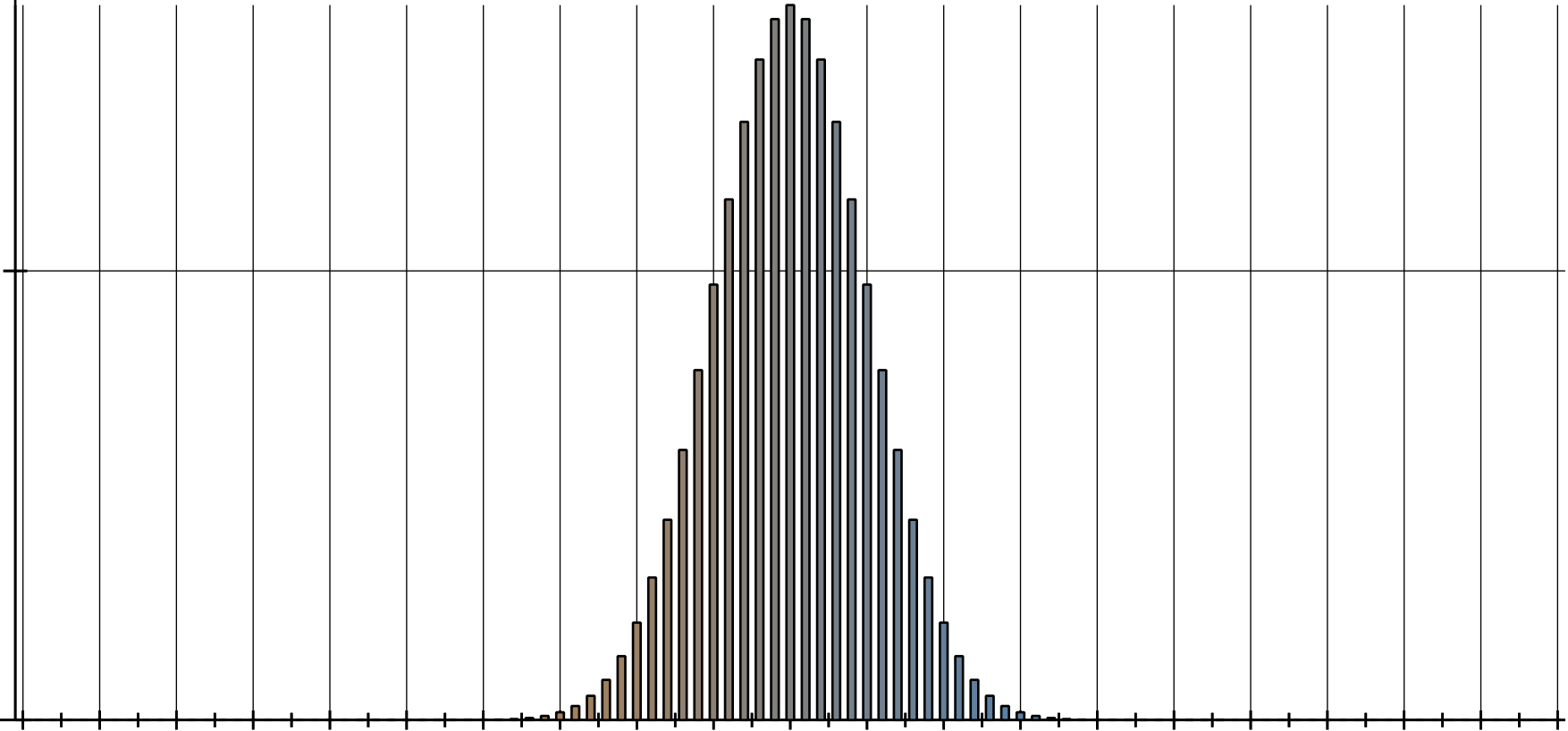
p

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Treffer



Mathematische Statistik

Binomialverteilung

$n=100$ $p=1/2$

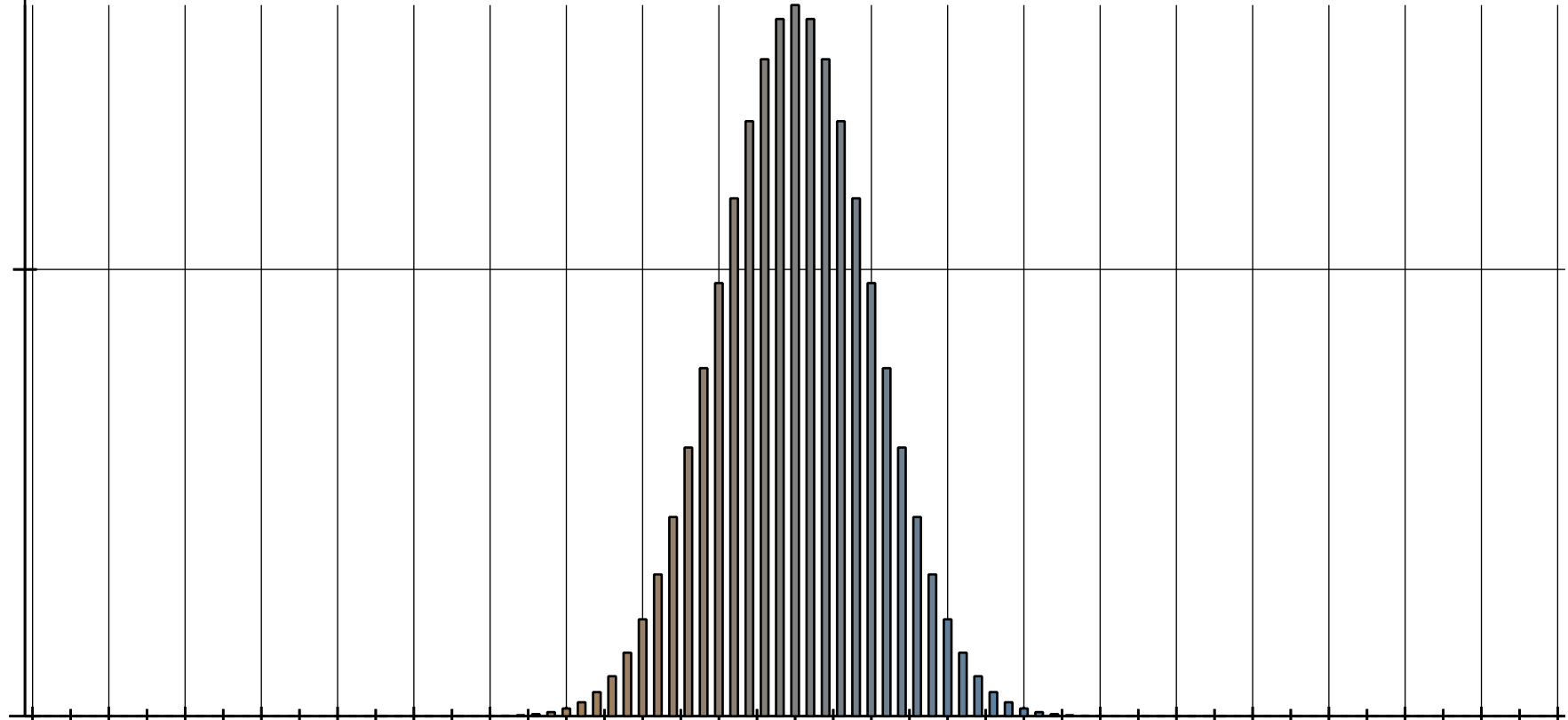
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0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Treffer



Mathematische Statistik

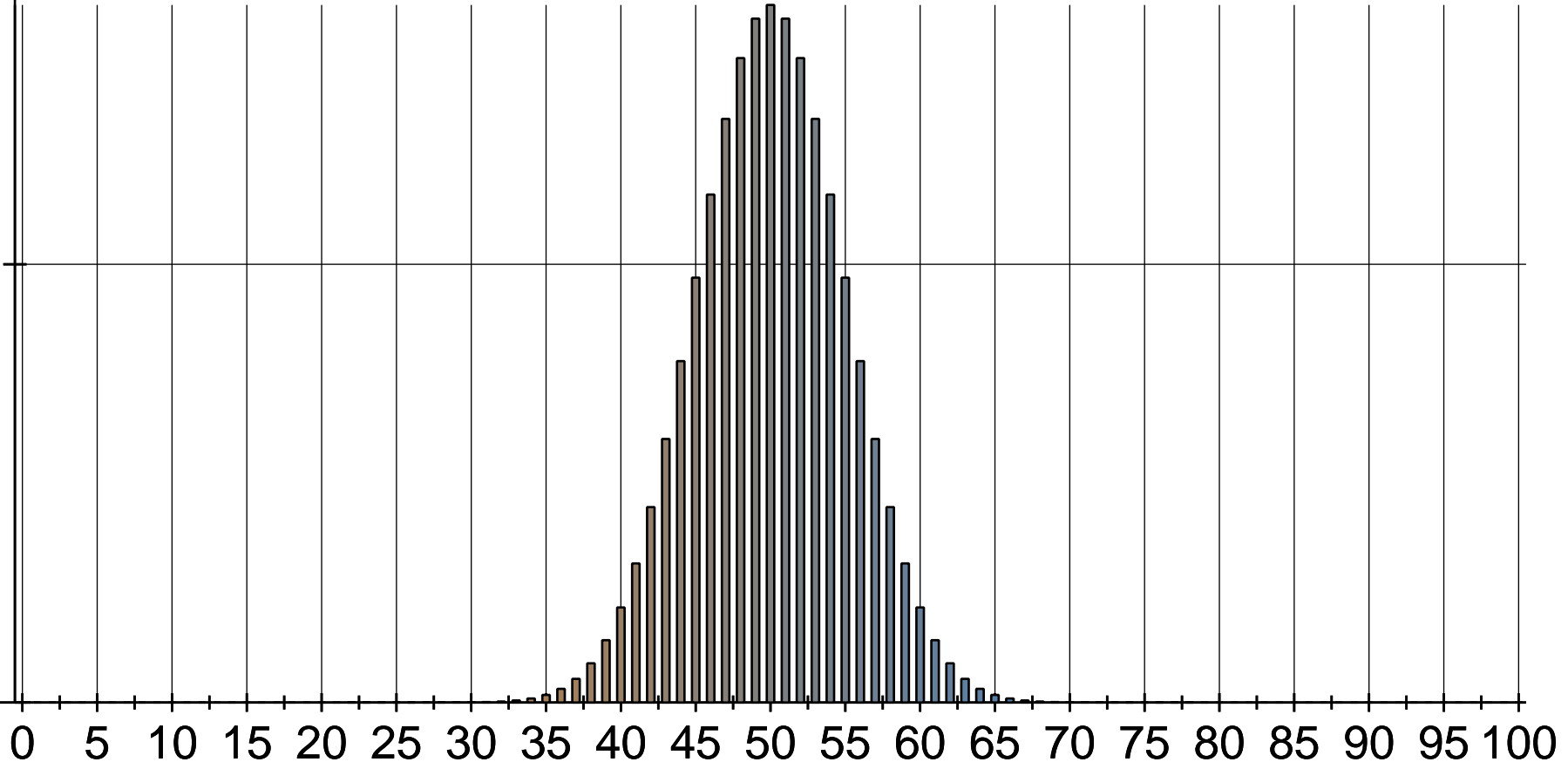
Binomialverteilung

$n=100$ $p=1/2$

p

0.1

0



Treffer