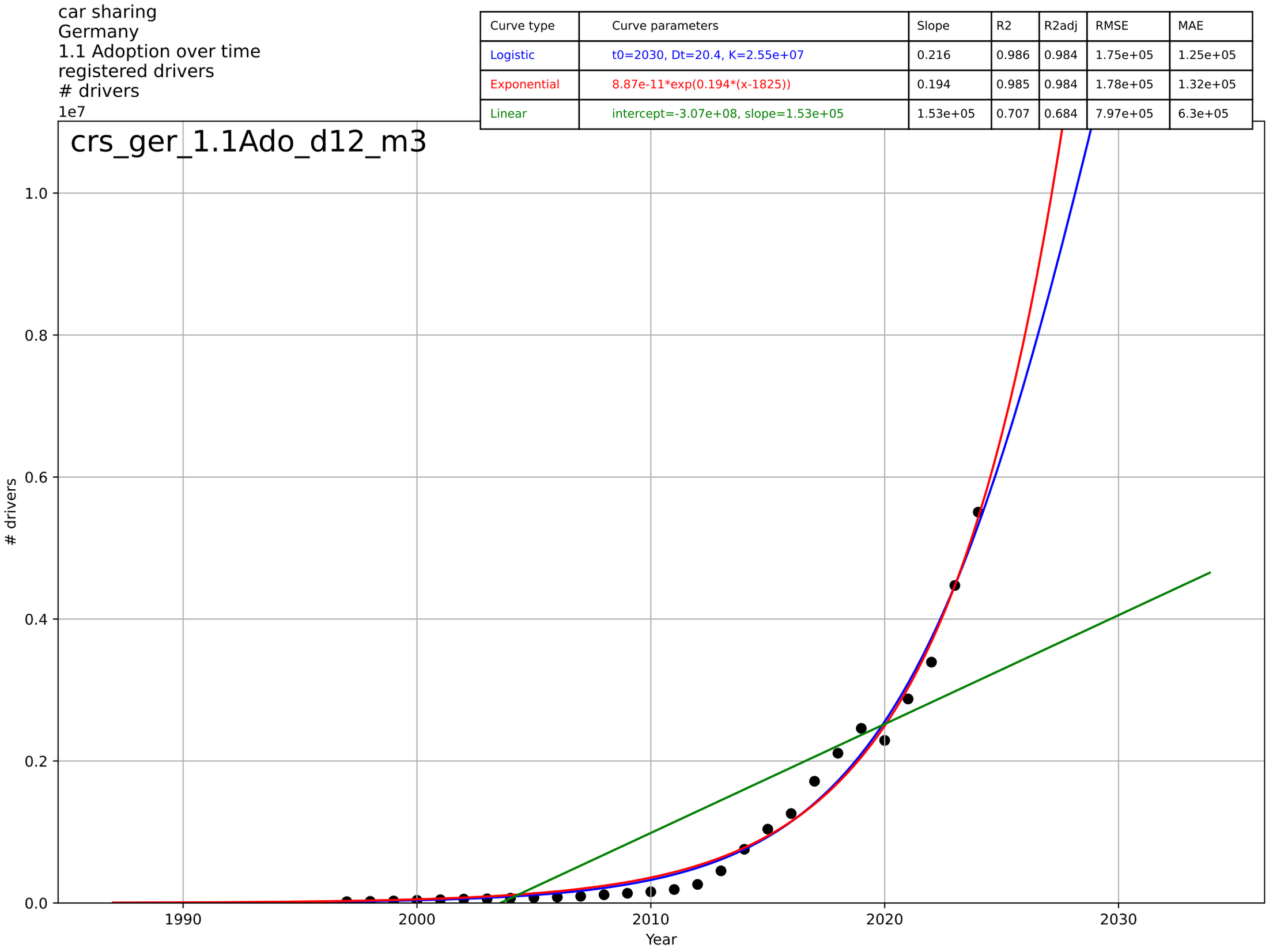
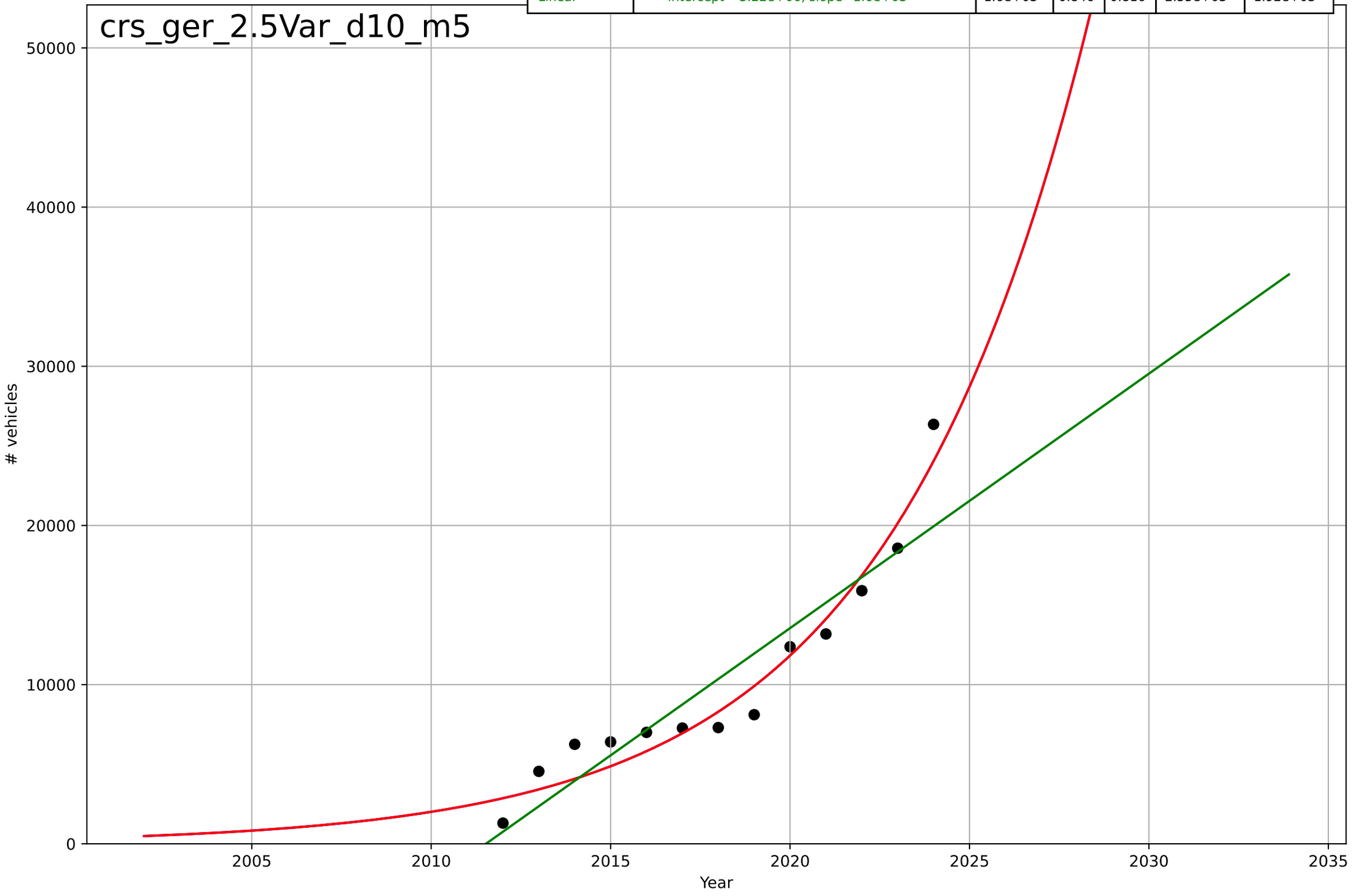
car sharing
Germany
1.1 Adoption over time
registered drivers
# drivers

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2030, Dt=20.4, K=2.55e+07 | 0.216 | 0.986 | 0.984 | 1.75e+05 | 1.25e+05 |
| Exponential | 8.87e-11*exp(0.194*(x-1825)) | 0.194 | 0.985 | 0.984 | 1.78e+05 | 1.32e+05 |
| Linear | intercept=-3.07e+08, slope=1.53e+05 | 1.53e+05 | 0.707 | 0.684 | 7.97e+05 | 6.3e+05 |



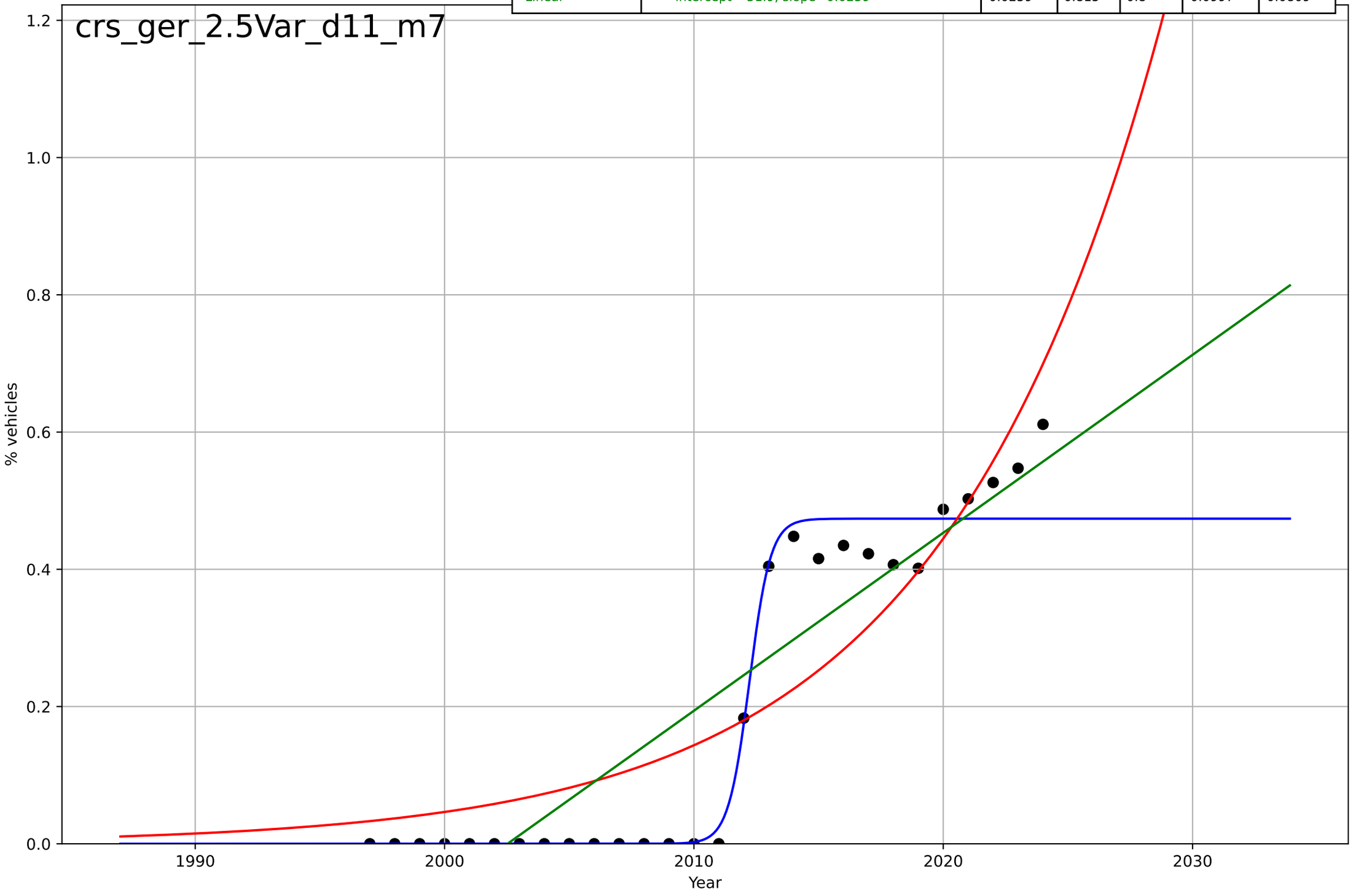
car sharing
Germany
2.5 Choice availability
free-floating cars - registered vehicles
# vehicles

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2091, Dt=24.8, K=3.8e+09 | 0.177 | 0.952 | 0.936 | 1.42e+03 | 1.31e+03 |
| Exponential | 1.55e-07*exp(0.177*(x-1879)) | 0.177 | 0.952 | 0.942 | 1.42e+03 | 1.31e+03 |
| Linear | intercept=-3.22e+06, slope=1.6e+03 | 1.6e+03 | 0.846 | 0.816 | 2.55e+03 | 1.92e+03 |



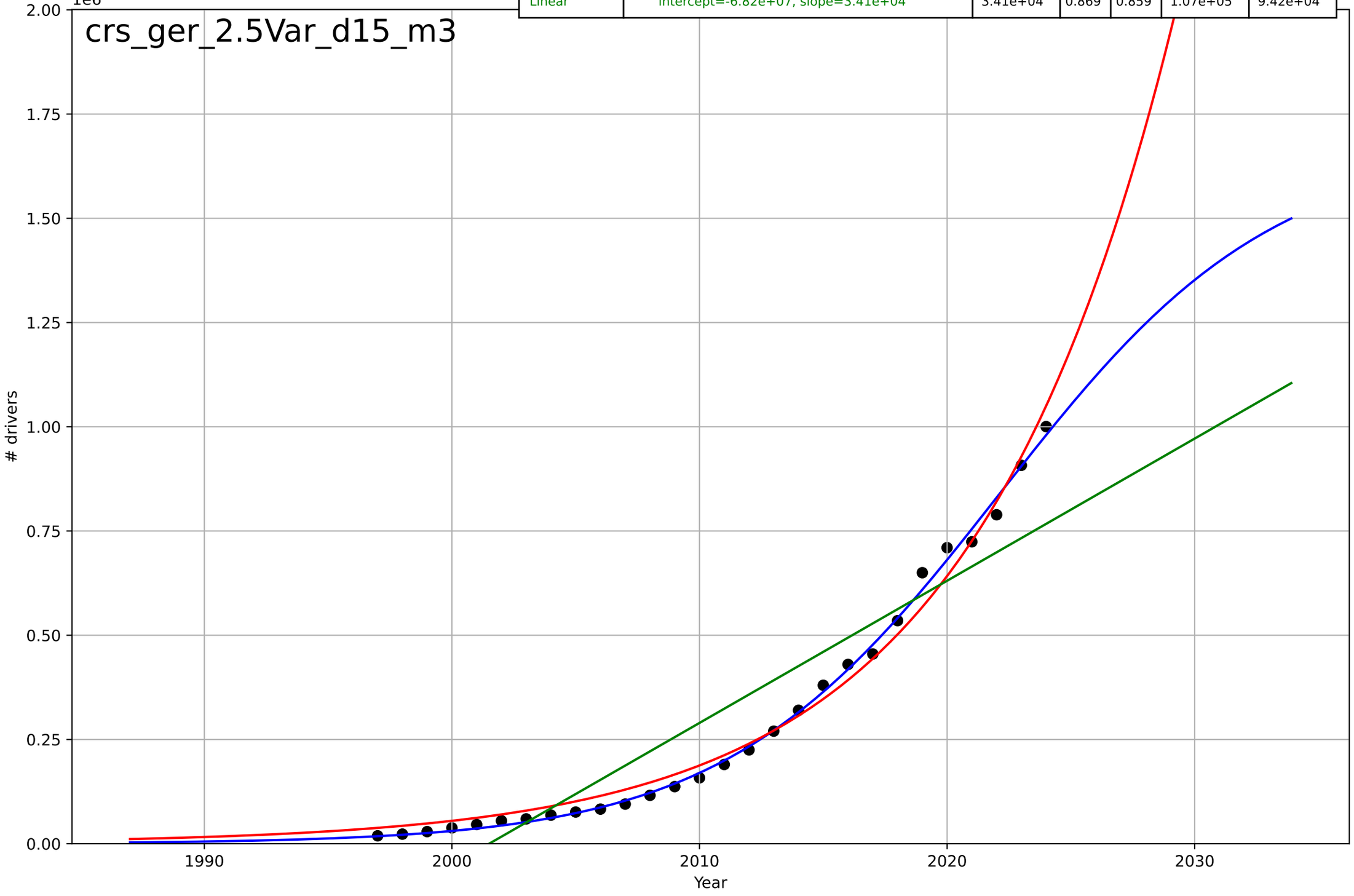
car sharing
Germany
2.5 Choice availability
free-floating cars as % of all shared cars
% vehicles

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2012, Dt=1.86, K=0.474 | 2.36 | 0.969 | 0.965 | 0.0407 | 0.0233 |
| Exponential | 2.37*exp(0.113*(x-2035)) | 0.113 | 0.805 | 0.789 | 0.102 | 0.0849 |
| Linear | intercept=-51.9, slope=0.0259 | 0.0259 | 0.815 | 0.8 | 0.0997 | 0.0809 |



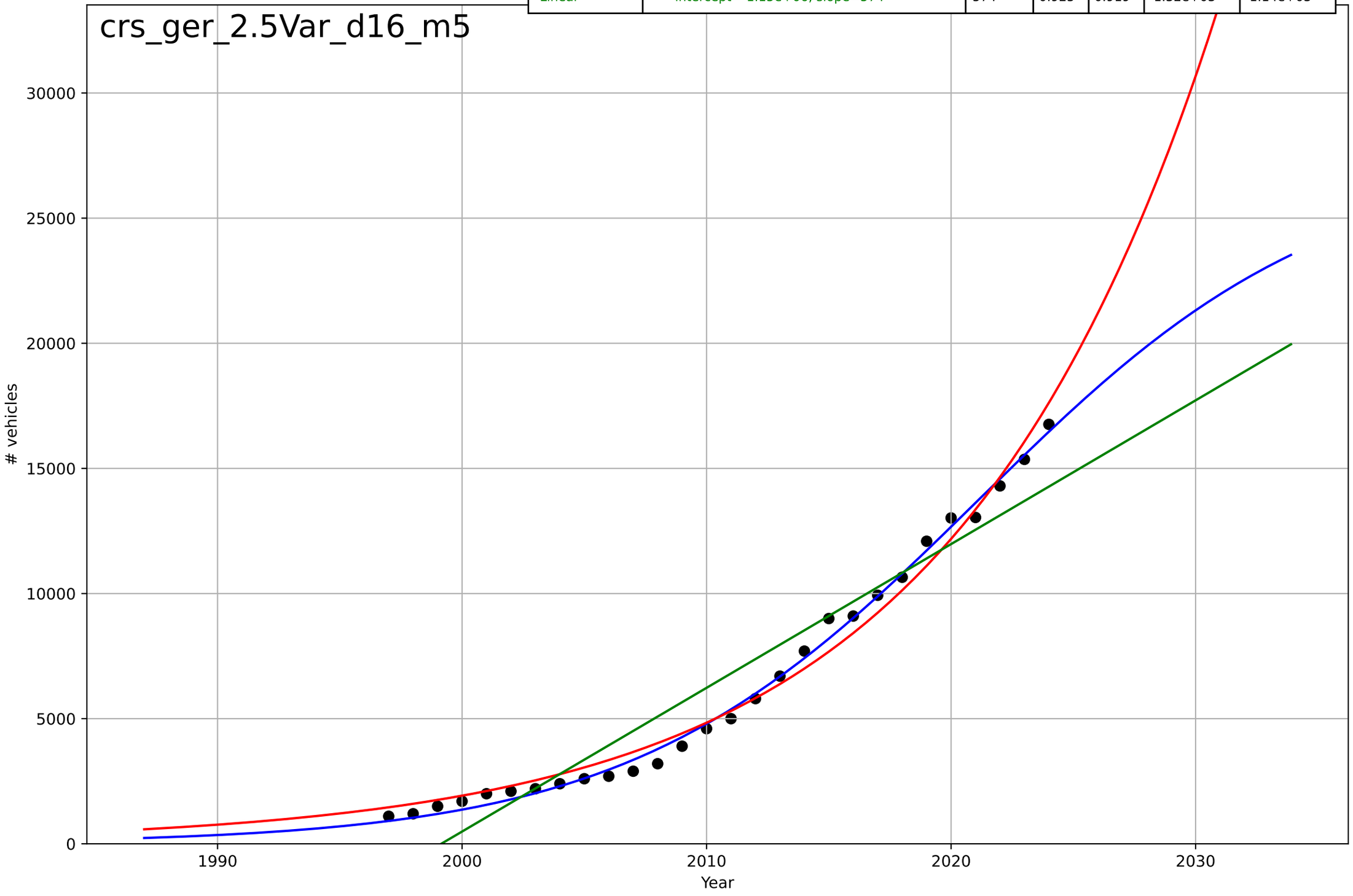
car sharing
Germany
2.5 Choice availability
station-based or combined - registered drivers
# drivers

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2022, Dt=24.4, K=1.68e+06 | 0.18 | 0.997 | 0.997 | 1.62e+04 | 1.19e+04 |
| Exponential | 1.27e-06*exp(0.123*(x-1801)) | 0.123 | 0.988 | 0.988 | 3.17e+04 | 2.68e+04 |
| Linear | intercept=-6.82e+07, slope=3.41e+04 | 3.41e+04 | 0.869 | 0.859 | 1.07e+05 | 9.42e+04 |



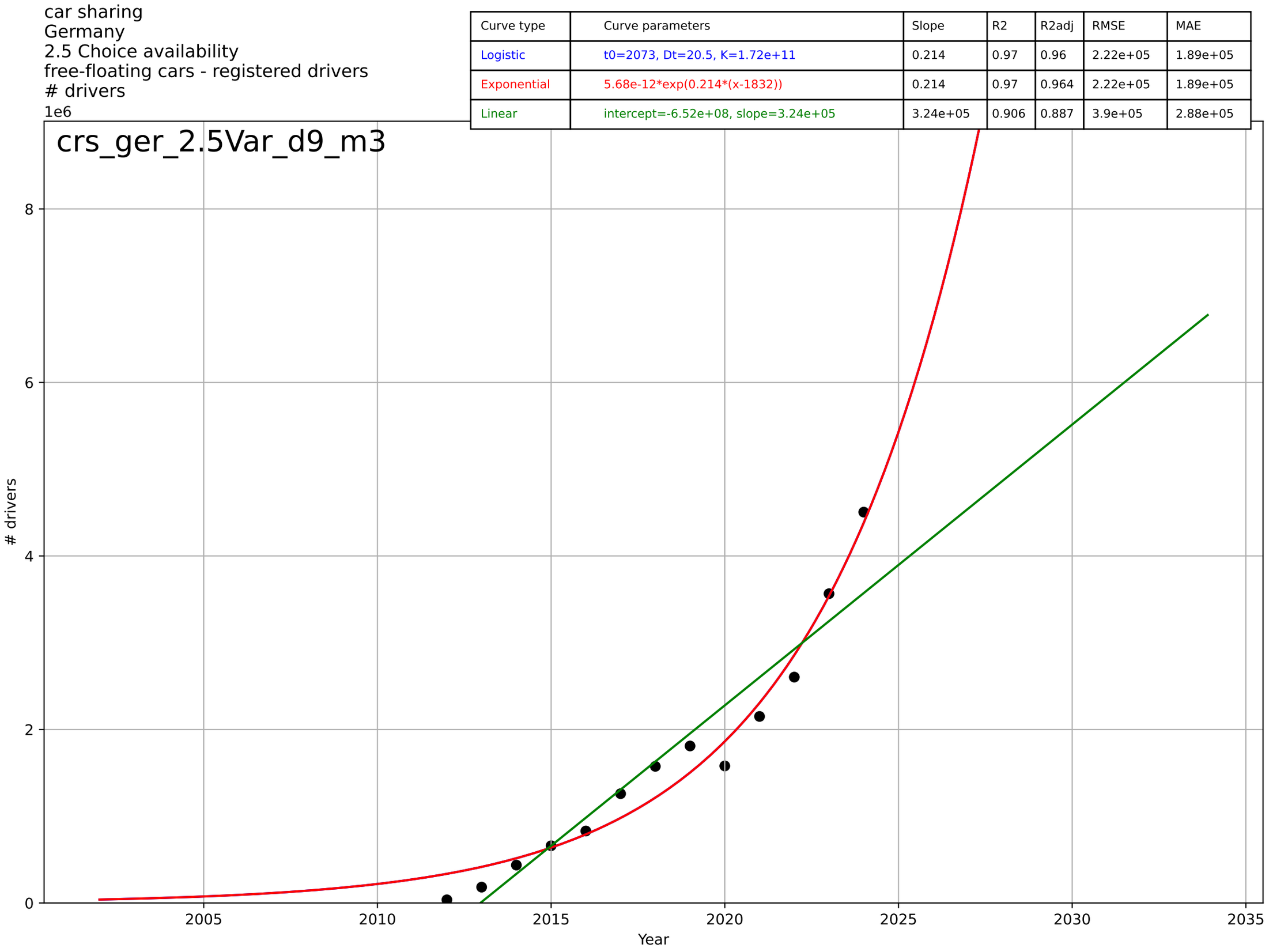
car sharing
Germany
2.5 Choice availability
station-based or combined - registered vehicles
# vehicles

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2021, Dt=31.4, K=2.75e+04 | 0.14 | 0.995 | 0.995 | 334 | 282 |
| Exponential | 0.000373*exp(0.0923*(x-1833)) | 0.0923 | 0.985 | 0.984 | 589 | 512 |
| Linear | intercept=-1.15e+06, slope=574 | 574 | 0.925 | 0.919 | 1.32e+03 | 1.14e+03 |



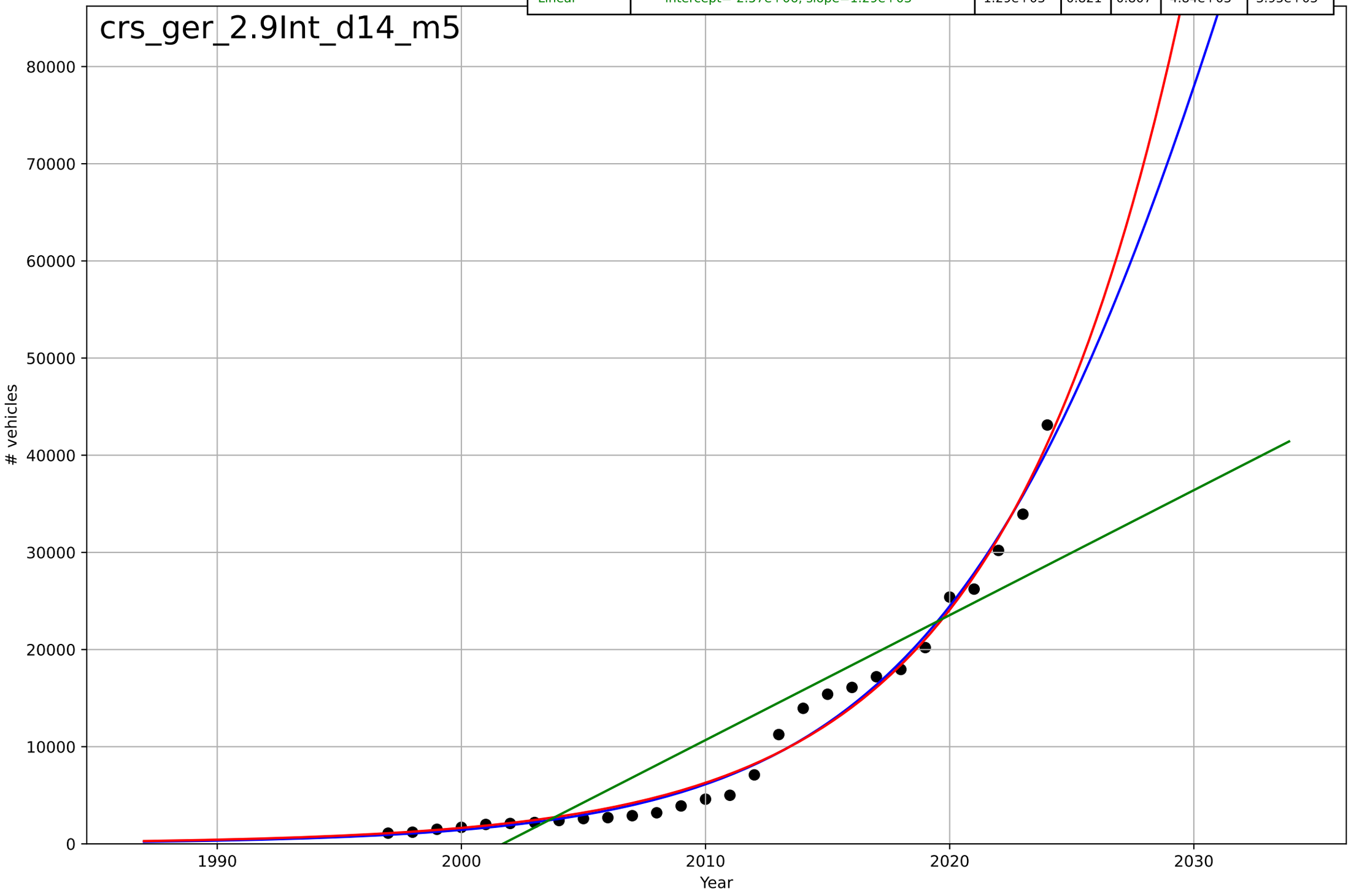
car sharing
Germany
2.5 Choice availability
free-floating cars - registered drivers
# drivers

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2073, Dt=20.5, K=1.72e+11 | 0.214 | 0.97 | 0.96 | 2.22e+05 | 1.89e+05 |
| Exponential | 5.68e-12*exp(0.214*(x-1832)) | 0.214 | 0.97 | 0.964 | 2.22e+05 | 1.89e+05 |
| Linear | intercept=-6.52e+08, slope=3.24e+05 | 3.24e+05 | 0.906 | 0.887 | 3.9e+05 | 2.88e+05 |



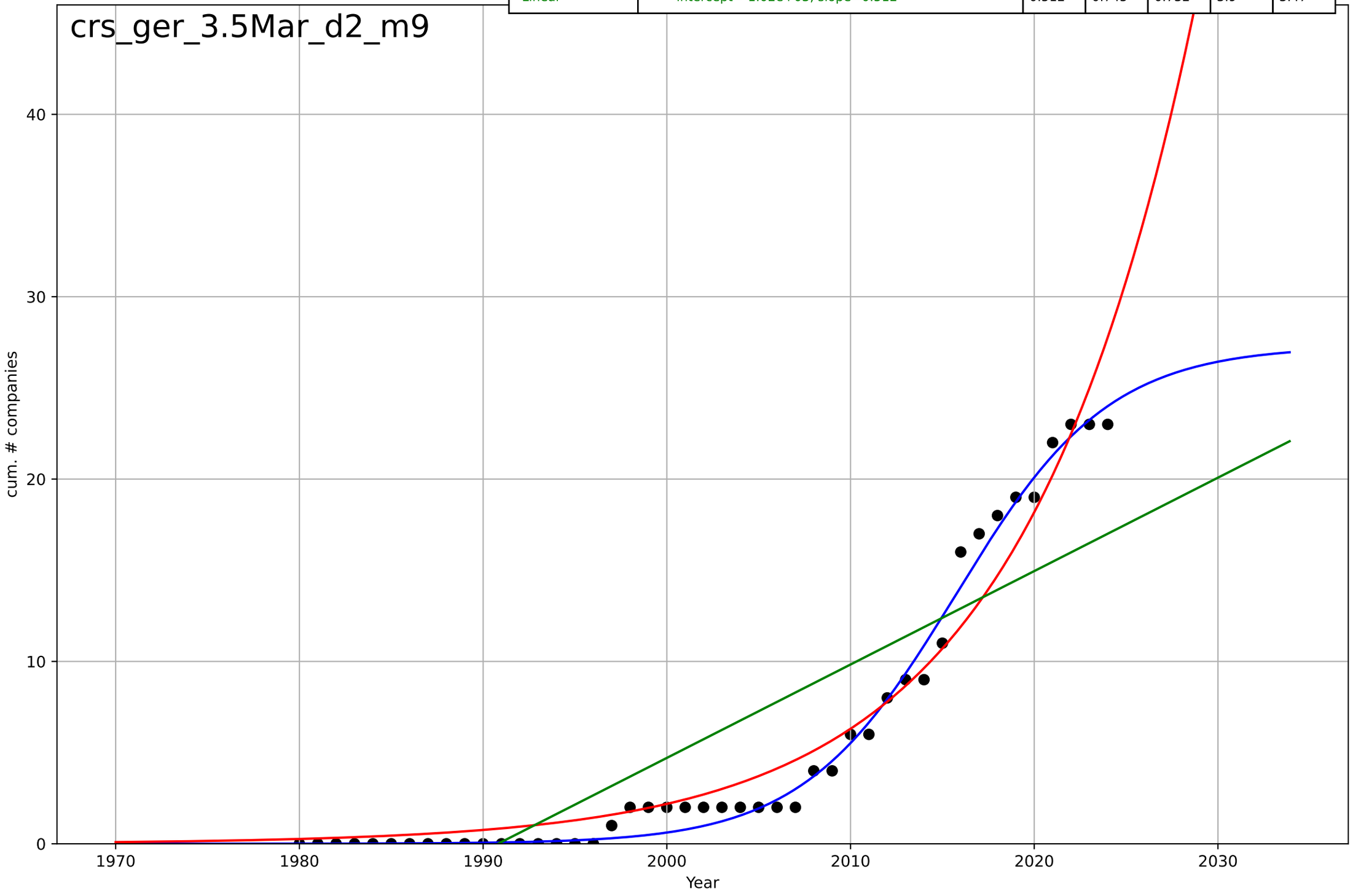
car sharing
Germany
2.9 Interdependence with Hardware
shared vehicles
# vehicles

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2034, Dt=29.9, K=2.23e+05 | 0.147 | 0.984 | 0.982 | 1.44e+03 | 1.16e+03 |
| Exponential | 8.11e-06*exp(0.134*(x-1858)) | 0.134 | 0.984 | 0.982 | 1.46e+03 | 1.17e+03 |
| Linear | intercept=-2.57e+06, slope=1.29e+03 | 1.29e+03 | 0.821 | 0.807 | 4.84e+03 | 3.95e+03 |



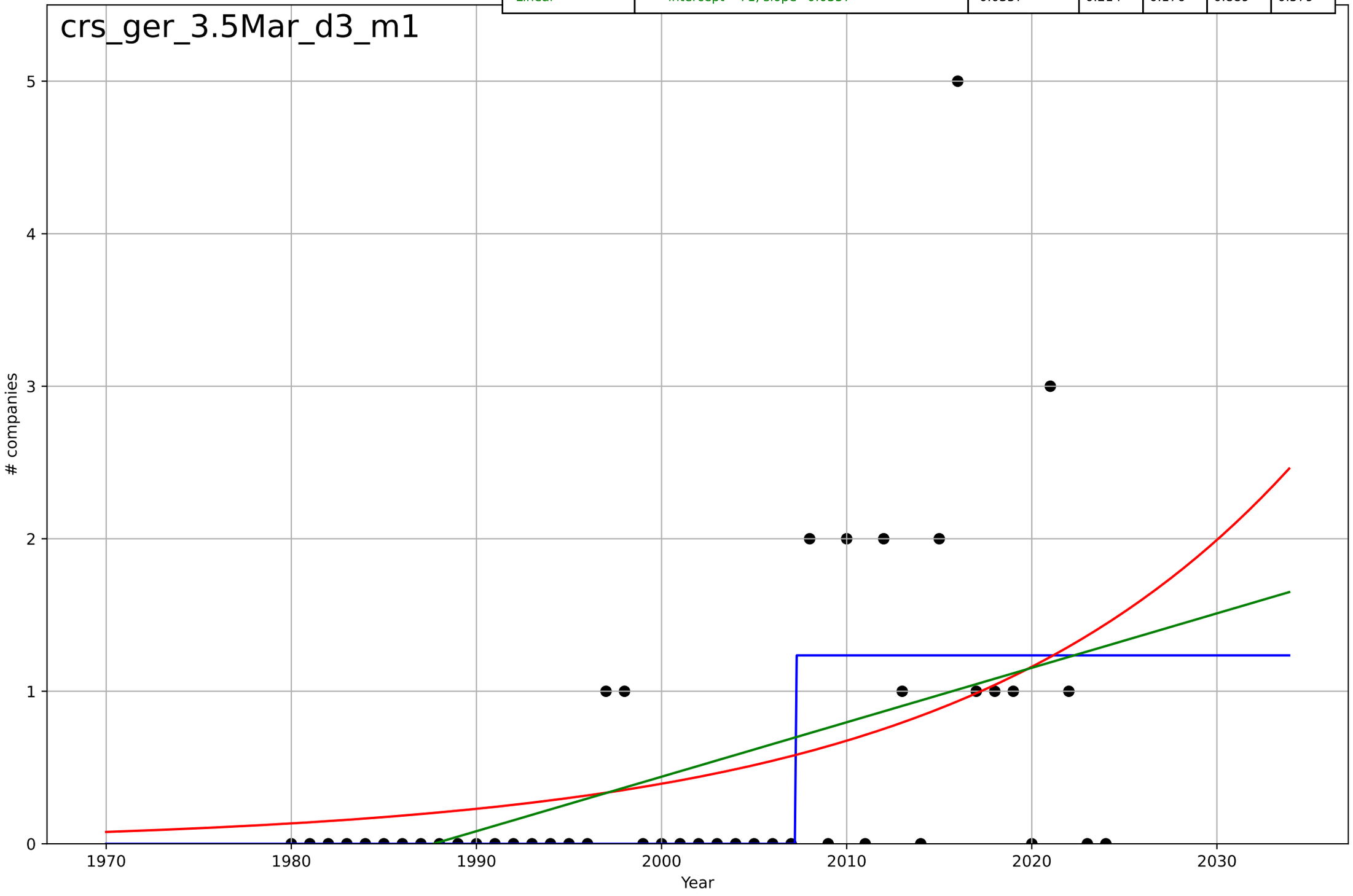
car sharing
Germany
3.5 Market Formation
CumulativeStartups
cum. # companies

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2016, Dt=18.3, K=27.3 | 0.24 | 0.99 | 0.989 | 0.786 | 0.552 |
| Exponential | 9.79*exp(0.106*(x-2014)) | 0.106 | 0.957 | 0.955 | 1.59 | 1.16 |
| Linear | intercept=-1.02e+03, slope=0.512 | 0.512 | 0.745 | 0.732 | 3.9 | 3.47 |



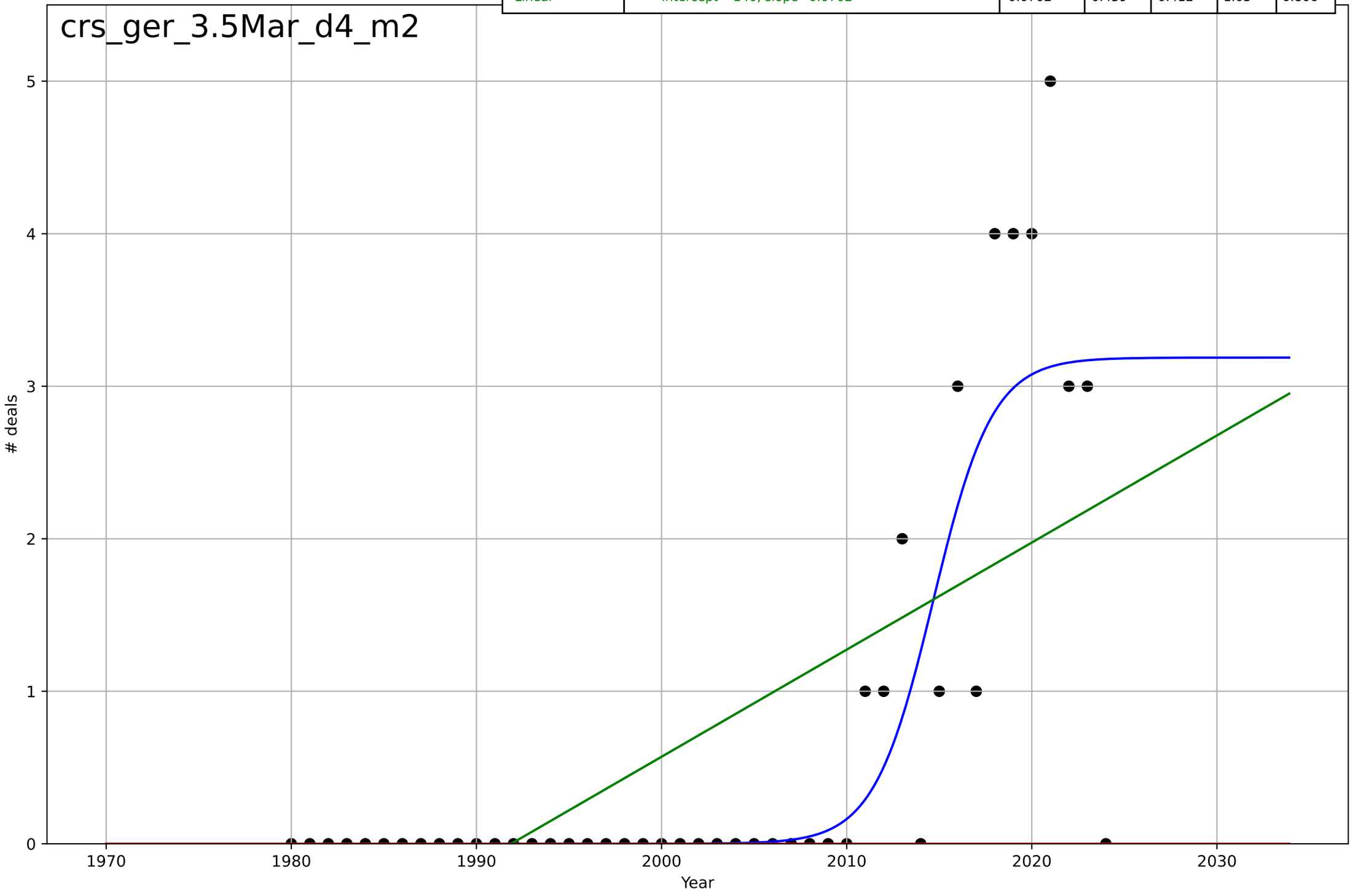
car sharing
Germany
3.5 Market Formation
NewStartups
# companies

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2007, Dt=0.0034, K=1.24 | 1.29e+03 | 0.314 | 0.263 | 0.831 | 0.426 |
| Exponential | 0.225*exp(0.0541*(x-1990)) | 0.0541 | 0.184 | 0.145 | 0.906 | 0.597 |
| Linear | intercept=-71, slope=0.0357 | 0.0357 | 0.214 | 0.176 | 0.889 | 0.579 |



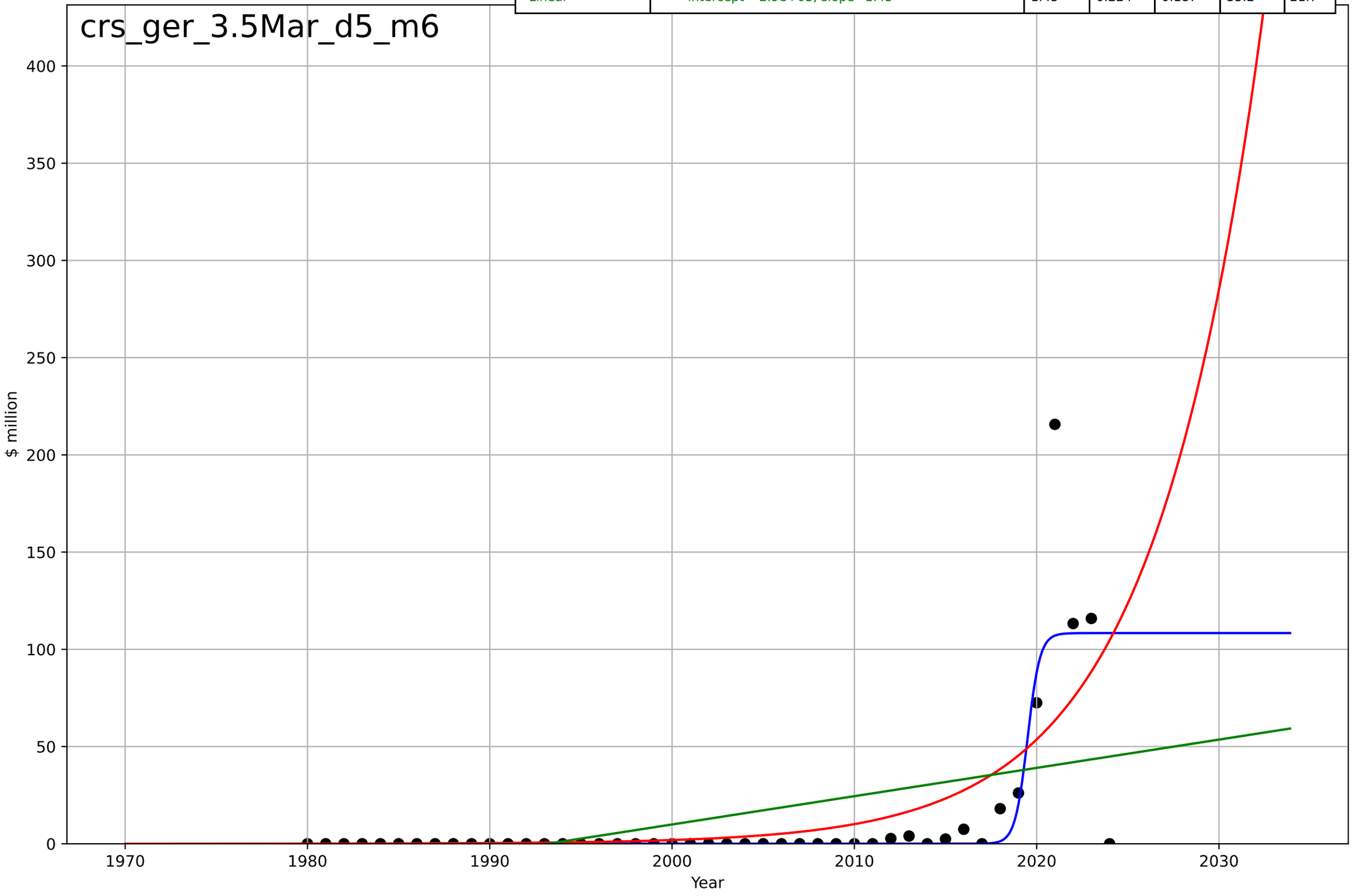
car sharing
Germany
3.5 Market Formation
PrivateEquityDeals
# deals

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2015, Dt=7.02, K=3.19 | 0.626 | 0.714 | 0.694 | 0.735 | 0.347 |
| Exponential | 1.55e+03*exp(0.00765*(x-157596)) | 0.00765 | -0.267 | -0.327 | 1.55 | 0.711 |
| Linear | intercept=-140, slope=0.0702 | 0.0702 | 0.439 | 0.412 | 1.03 | 0.806 |



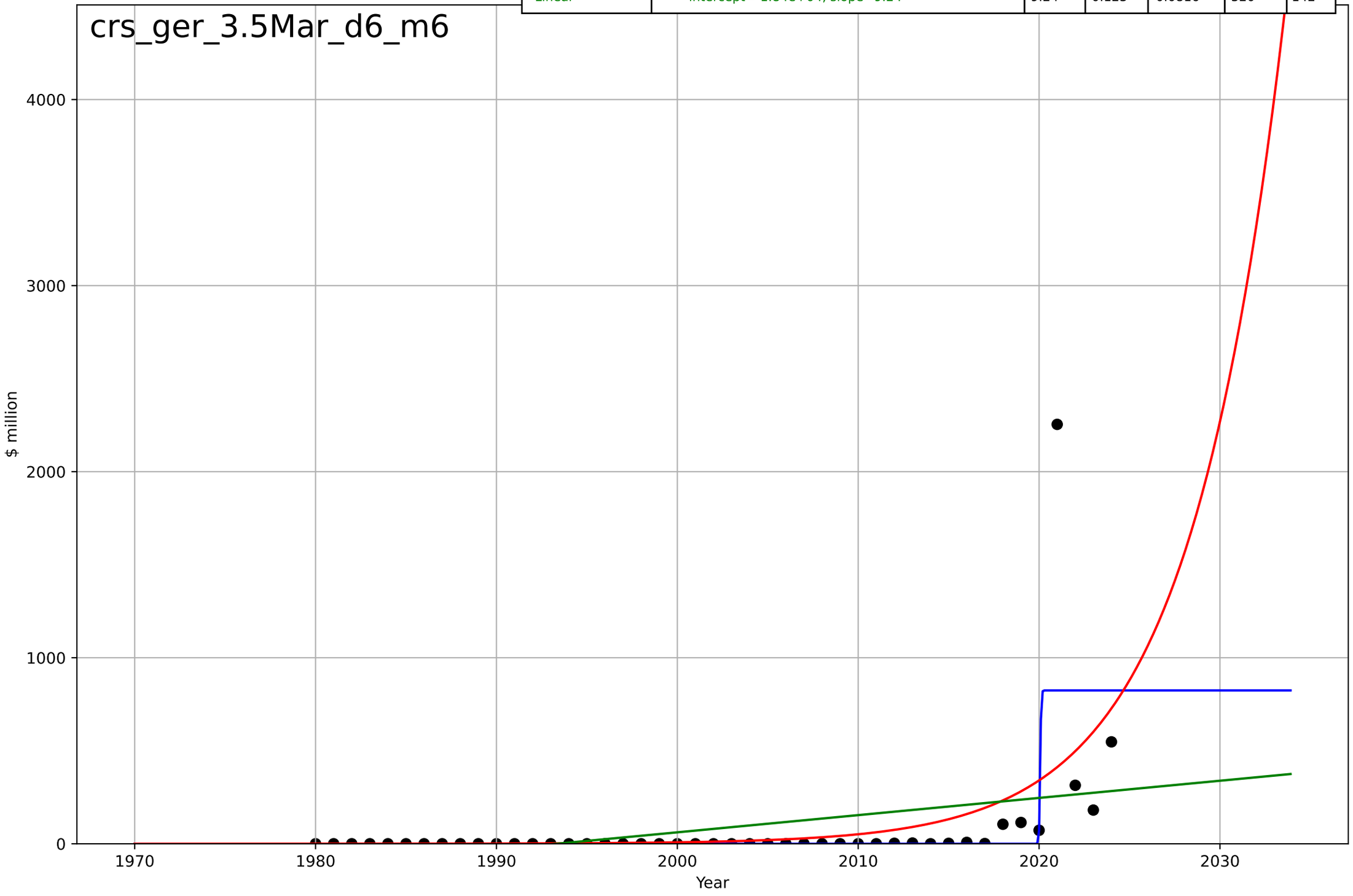
car sharing
Germany
3.5 Market Formation
PrivateEquityInvestment
$ million

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2019, Dt=1.49, K=108 | 2.94 | 0.662 | 0.637 | 23.2 | 6.32 |
| Exponential | 2.43*exp(0.167*(x-2001)) | 0.167 | 0.434 | 0.407 | 30 | 12.8 |
| Linear | intercept=-2.9e+03, slope=1.45 | 1.45 | 0.224 | 0.187 | 35.2 | 21.7 |



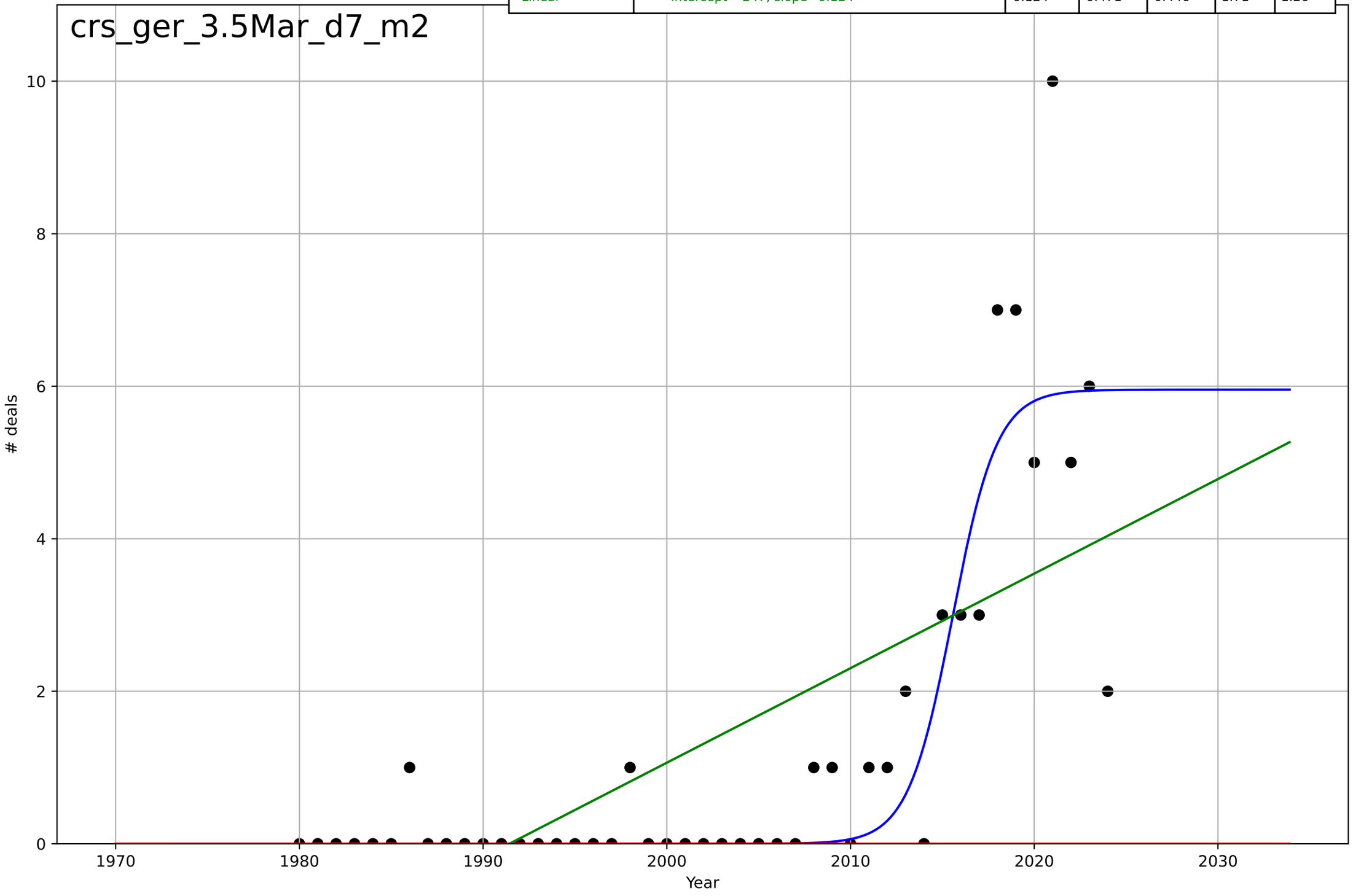
car sharing
Germany
3.5 Market Formation
TotalFundraisingAmount
$ million

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2020, Dt=0.115, K=824 | 38.1 | 0.463 | 0.424 | 250 | 68.8 |
| Exponential | 5.23e-05*exp(0.19*(x-1937)) | 0.19 | 0.264 | 0.229 | 293 | 95.3 |
| Linear | intercept=-1.84e+04, slope=9.24 | 9.24 | 0.123 | 0.0816 | 320 | 142 |



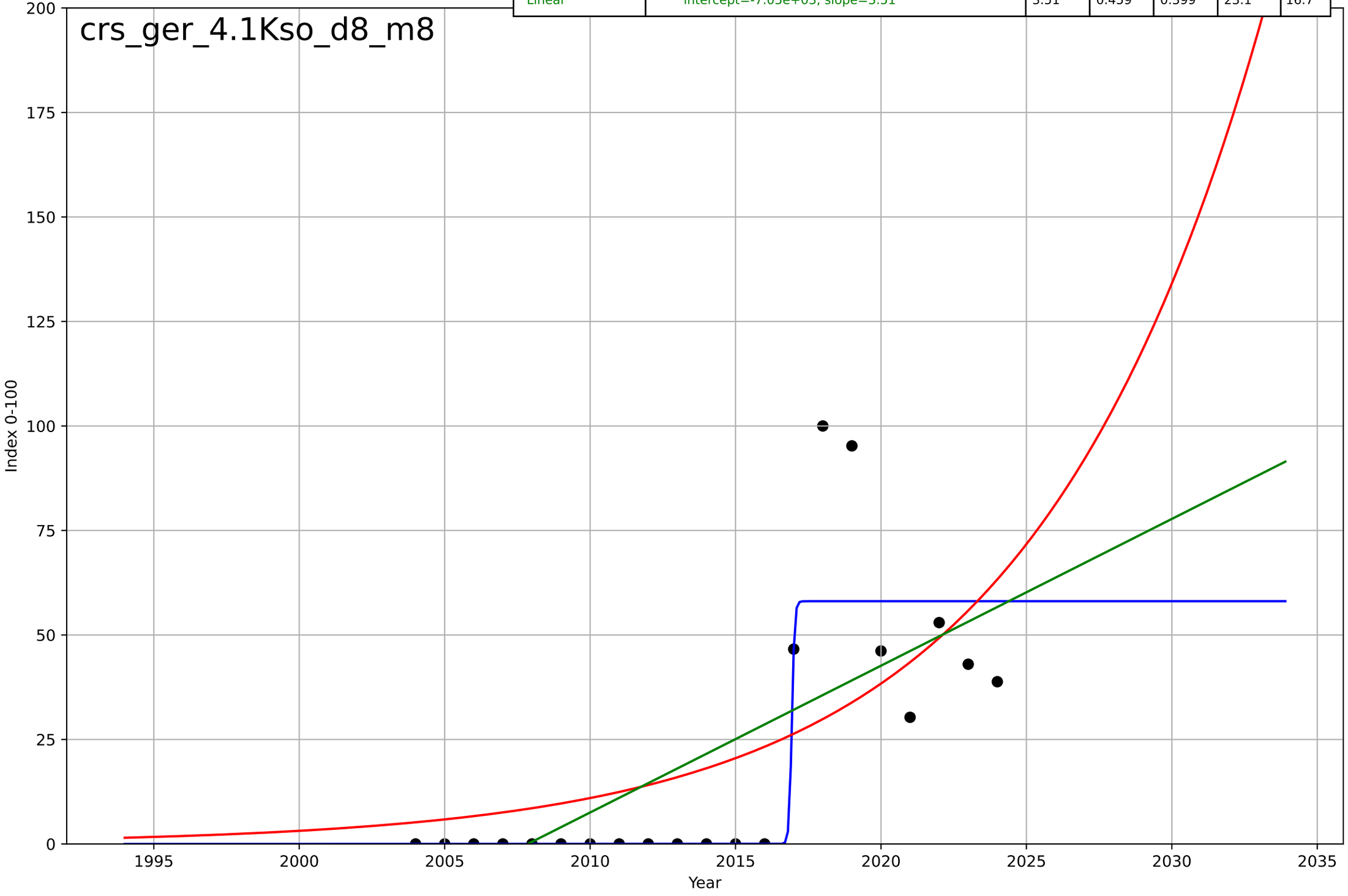
car sharing
Germany
3.5 Market Formation
TotalFundraisingDeals
# deals

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2016, Dt=5.34, K=5.96 | 0.823 | 0.795 | 0.78 | 1.06 | 0.533 |
| Exponential | 1.55e+03*exp(0.0127*(x-157700)) | 0.0127 | -0.312 | -0.375 | 2.69 | 1.31 |
| Linear | intercept=-247, slope=0.124 | 0.124 | 0.471 | 0.446 | 1.71 | 1.26 |



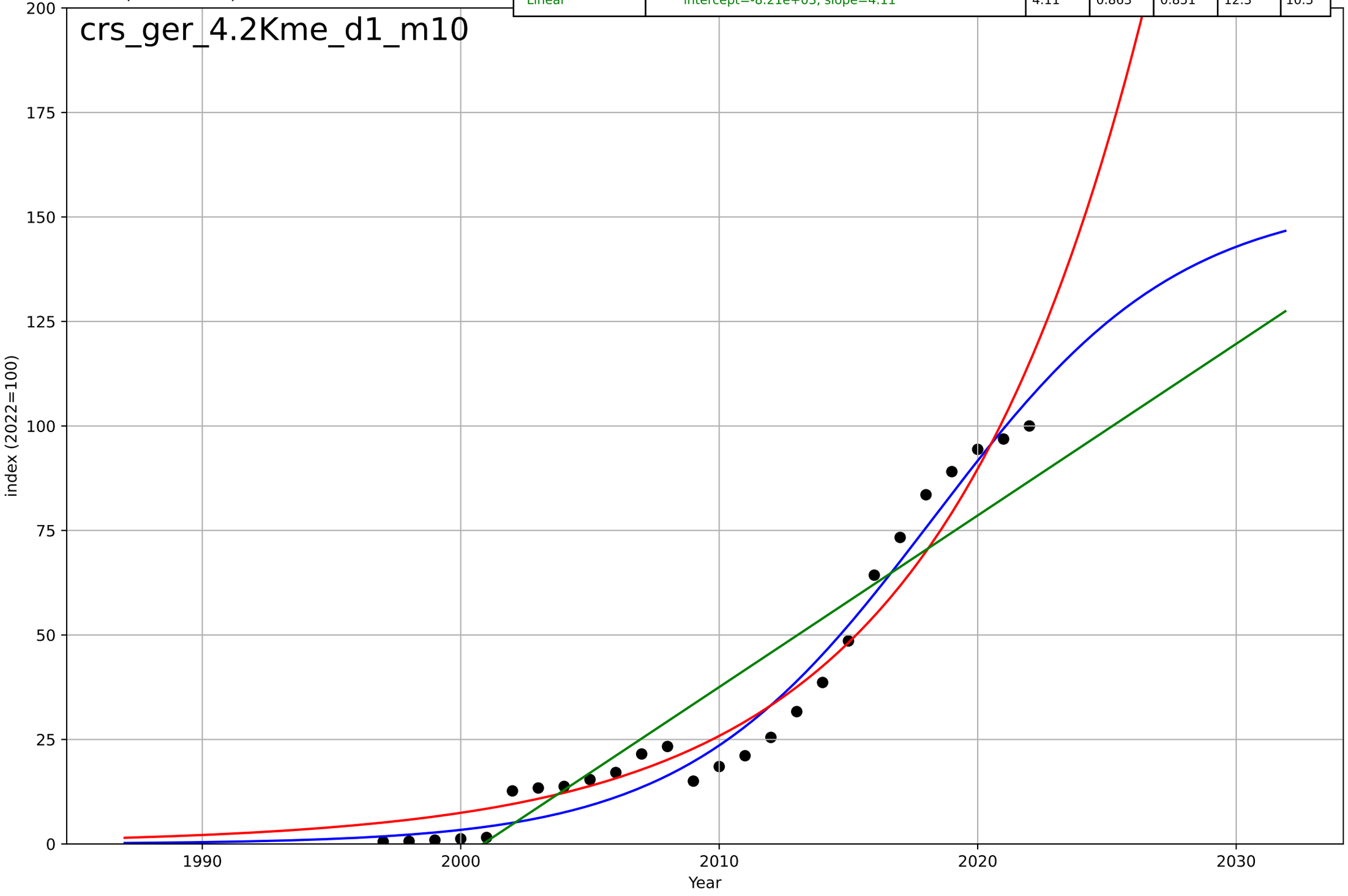
car sharing
Germany
4.1 Knowledge Flows (social networks)
annualised Google search frequency (index 100
Index 0-100

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2017, Dt=0.203, K=58.1 | 21.6 | 0.774 | 0.734 | 14.9 | 7.53 |
| Exponential | 0.66*exp(0.125*(x-1988)) | 0.125 | 0.398 | 0.331 | 24.4 | 17.7 |
| Linear | intercept=-7.05e+03, slope=3.51 | 3.51 | 0.459 | 0.399 | 23.1 | 16.7 |



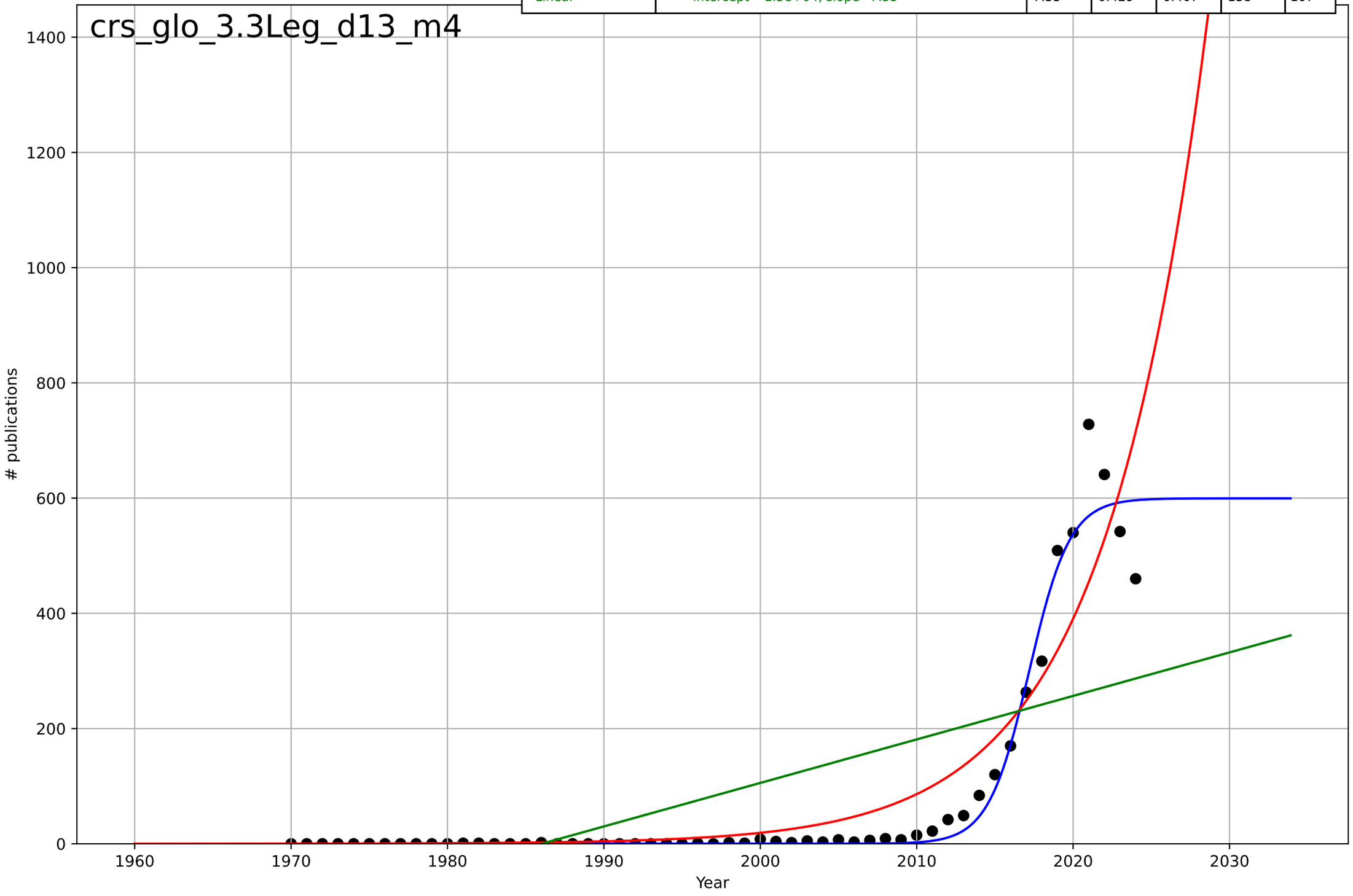
car sharing
Germany
4.2 Knowledge Flows (mass media)
"car sharing" mention in books
index (2022=100)

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2018, Dt=21, K=155 | 0.209 | 0.971 | 0.967 | 5.61 | 5.18 |
| Exponential | 0.182*exp(0.124*(x-1970)) | 0.124 | 0.955 | 0.951 | 7.03 | 6 |
| Linear | intercept=-8.21e+03, slope=4.11 | 4.11 | 0.863 | 0.851 | 12.3 | 10.5 |



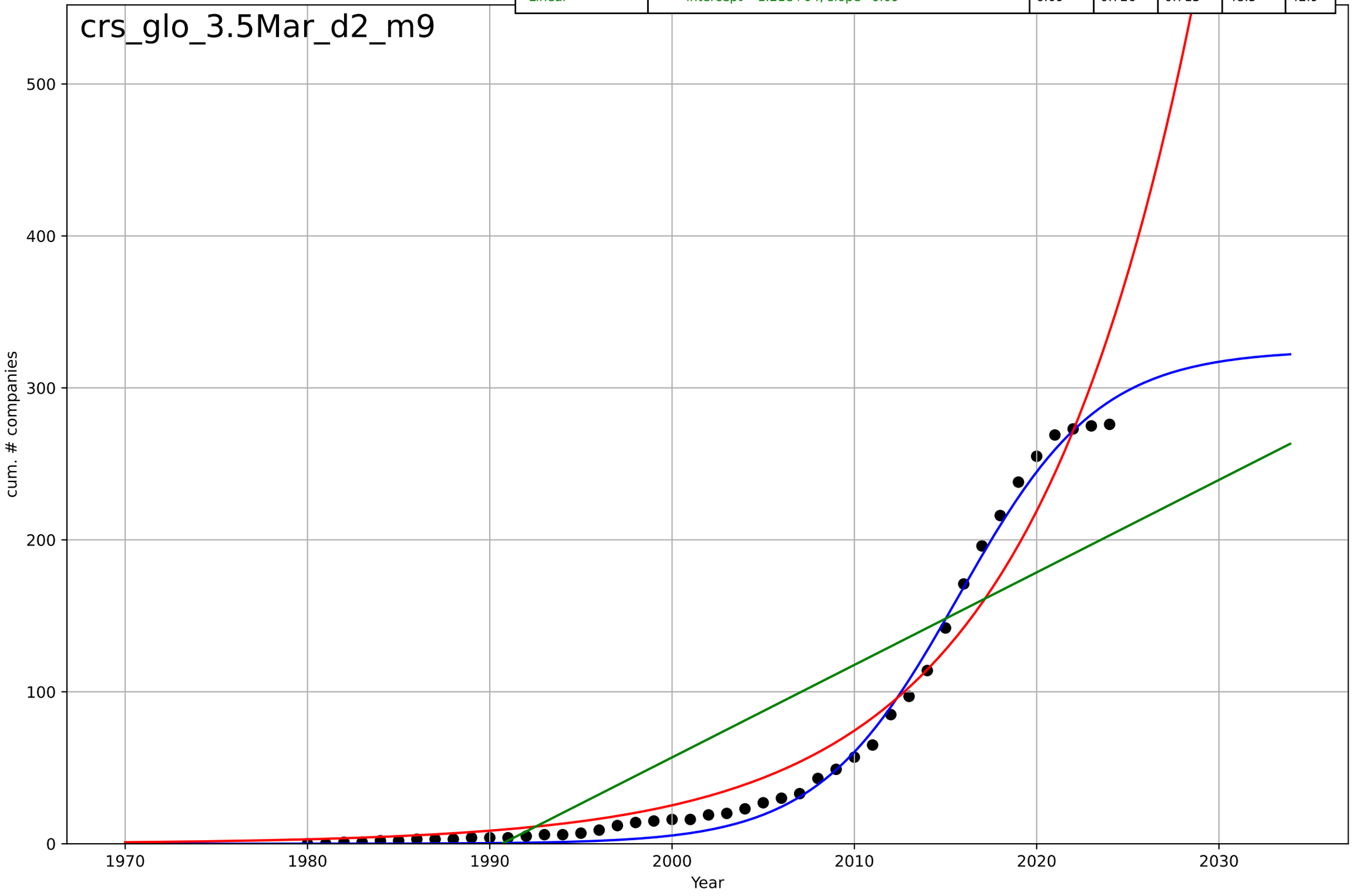
car sharing
Global
3.3 Risk & Uncertainty (Shared Expectations)
scientific publications
# publications

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2017, Dt=5.73, K=600 | 0.767 | 0.967 | 0.965 | 33.1 | 13.3 |
| Exponential | 0.000153*exp(0.151*(x-1922)) | 0.151 | 0.857 | 0.852 | 69.2 | 37 |
| Linear | intercept=-1.5e+04, slope=7.55 | 7.55 | 0.429 | 0.407 | 138 | 107 |



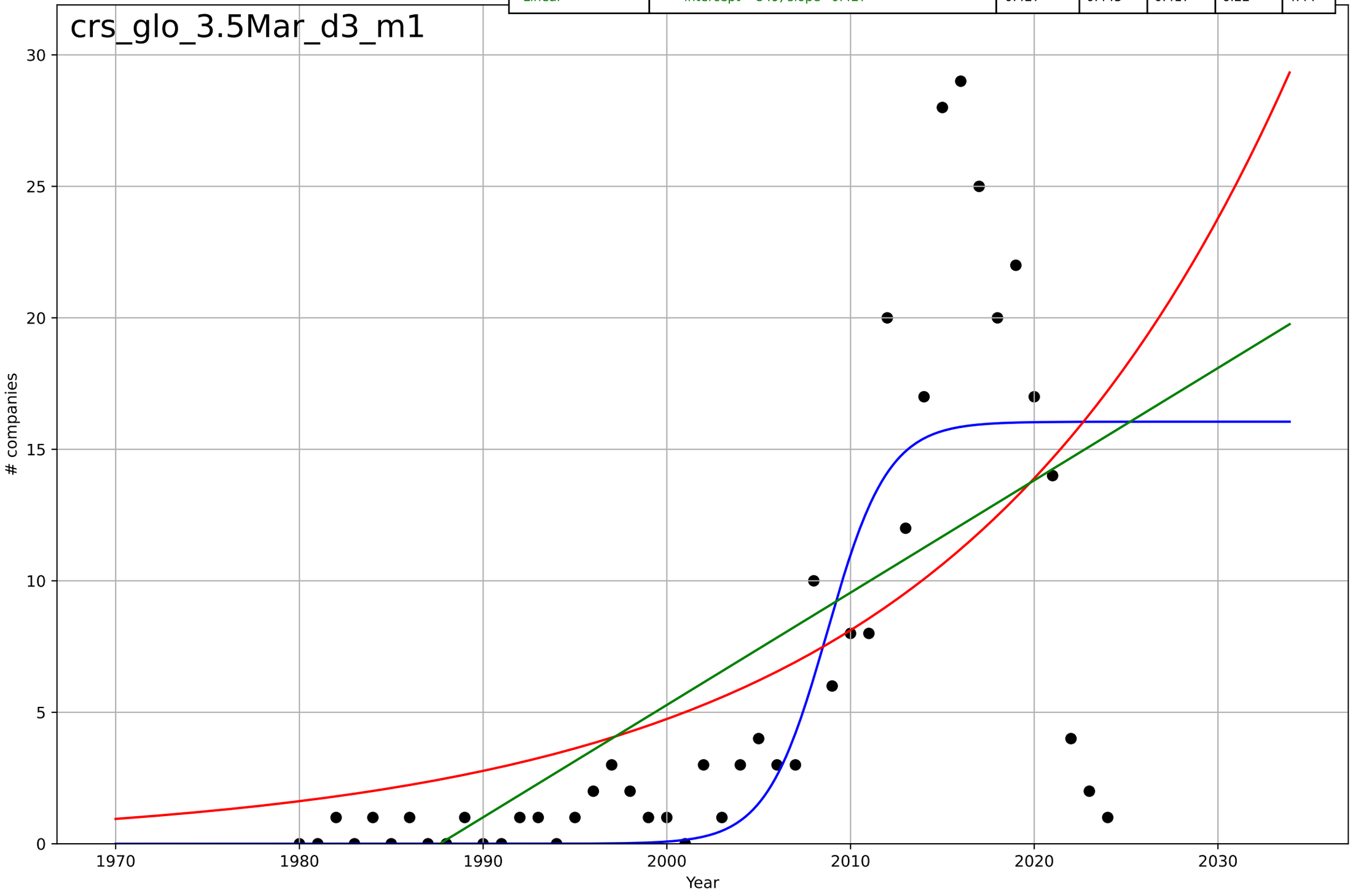
car sharing
Global
3.5 Market Formation
CumulativeStartups
cum. # companies

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2016, Dt=17, K=325 | 0.259 | 0.994 | 0.994 | 6.99 | 5.88 |
| Exponential | 0.0246*exp(0.108*(x-1936)) | 0.108 | 0.959 | 0.957 | 18.8 | 13.6 |
| Linear | intercept=-1.21e+04, slope=6.09 | 6.09 | 0.726 | 0.713 | 48.5 | 42.9 |



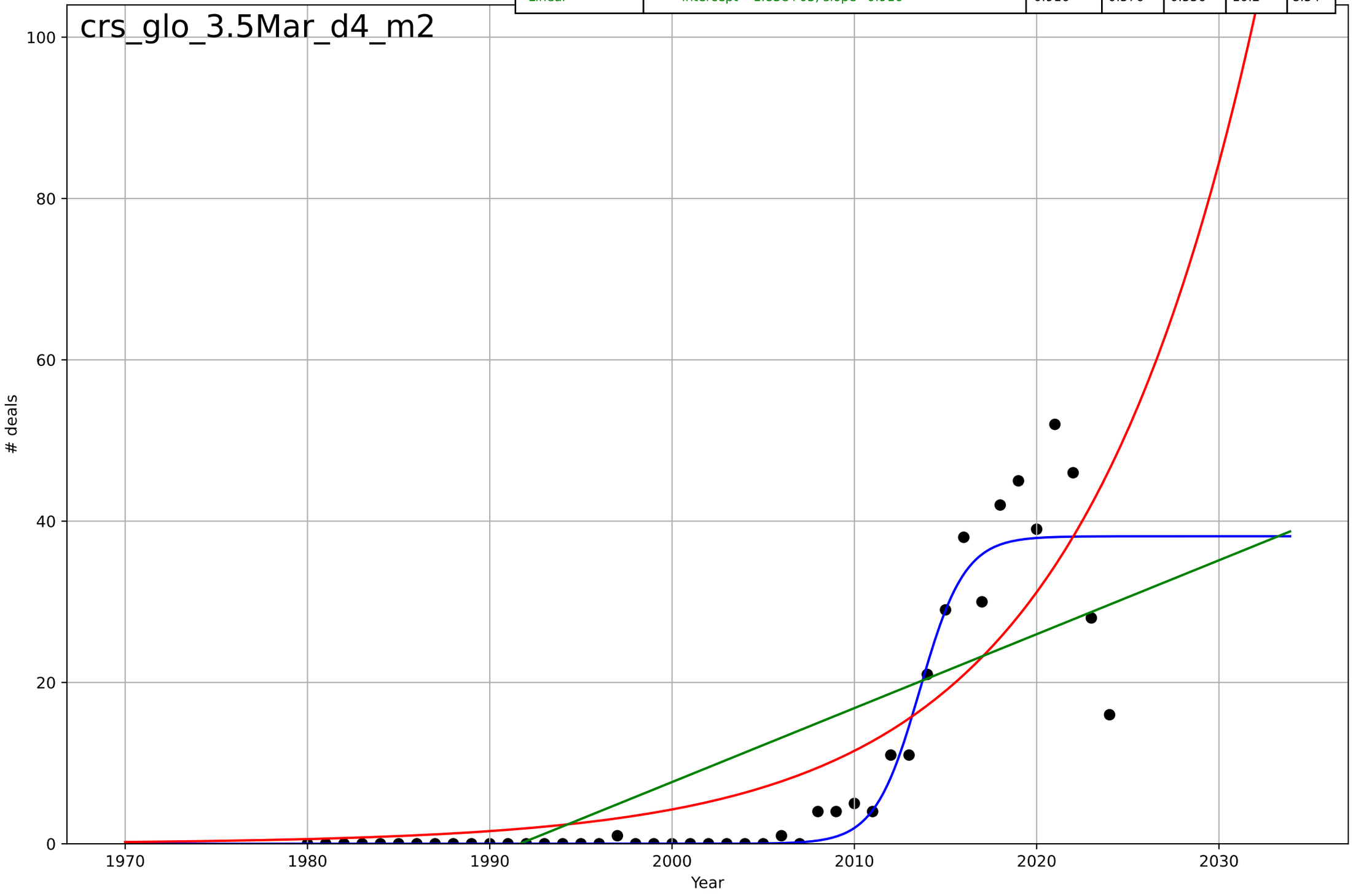
car sharing
Global
3.5 Market Formation
NewStartups
# companies

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2009, Dt=7.27, K=16.1 | 0.604 | 0.623 | 0.596 | 5.11 | 3.08 |
| Exponential | 9.14*exp(0.0537*(x-2012)) | 0.0537 | 0.384 | 0.354 | 6.54 | 4.57 |
| Linear | intercept=-849, slope=0.427 | 0.427 | 0.443 | 0.417 | 6.22 | 4.44 |



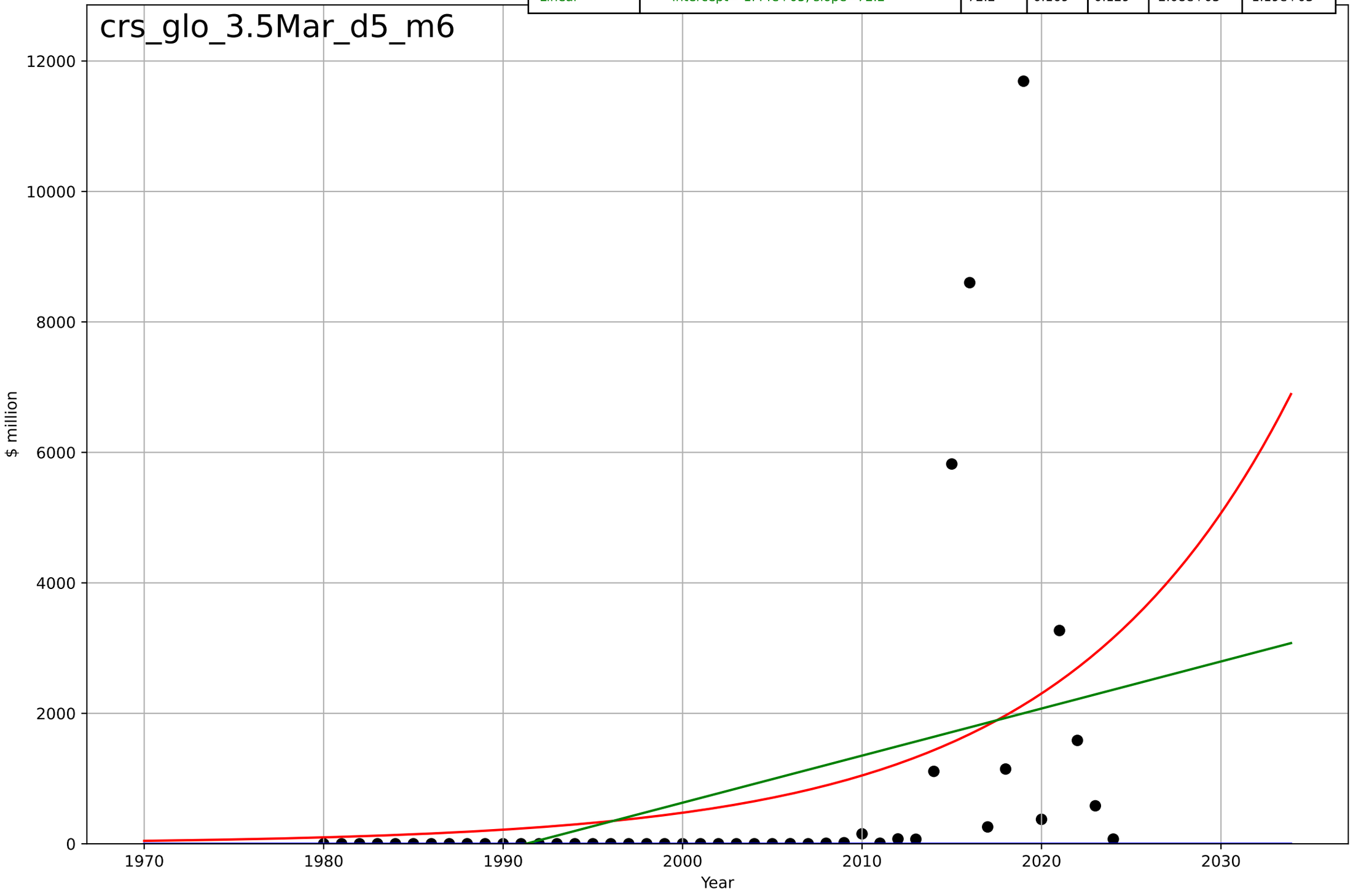
car sharing
Global
3.5 Market Formation
PrivateEquityDeals
# deals

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2014, Dt=5.41, K=38.1 | 0.813 | 0.906 | 0.899 | 4.81 | 2.17 |
| Exponential | 6.93*exp(0.0996*(x-2005)) | 0.0996 | 0.714 | 0.7 | 8.39 | 5.91 |
| Linear | intercept=-1.83e+03, slope=0.916 | 0.916 | 0.576 | 0.556 | 10.2 | 8.54 |



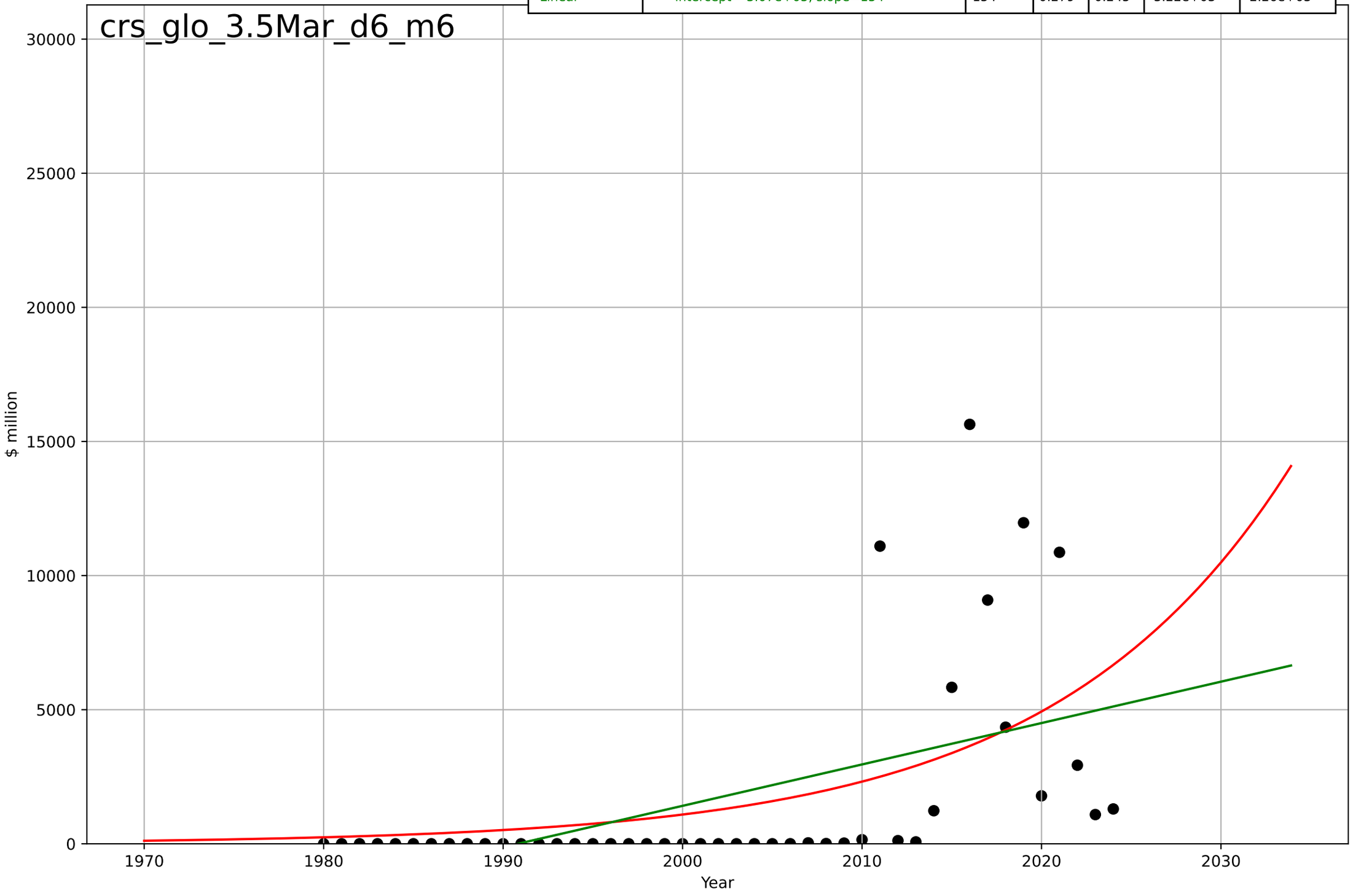
car sharing
Global
3.5 Market Formation
PrivateEquityInvestment
$ million

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2284, Dt=25.9, K=1.17e+04 | 0.169 | -0.115 | -0.197 | 2.41e+03 | 774 |
| Exponential | 0.00588*exp(0.0789*(x-1857)) | 0.0789 | 0.177 | 0.137 | 2.07e+03 | 1.08e+03 |
| Linear | intercept=-1.44e+05, slope=72.2 | 72.2 | 0.169 | 0.129 | 2.08e+03 | 1.19e+03 |



car sharing
Global
3.5 Market Formation
TotalFundraisingAmount
$ million

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=nan, Dt=nan, K=nan | nan | nan | nan | nan | nan |
| Exponential | 0.0176*exp(0.0755*(x-1854)) | 0.0755 | 0.283 | 0.249 | 3.21e+03 | 2.08e+03 |
| Linear | intercept=-3.07e+05, slope=154 | 154 | 0.279 | 0.245 | 3.22e+03 | 2.26e+03 |



car sharing
Global
3.5 Market Formation
TotalFundraisingDeals
# deals

| Curve type | Curve parameters | Slope | R2 | R2adj | RMSE | MAE |
|---|---|---|---|---|---|---|
| Logistic | t0=2014, Dt=6.45, K=57.9 | 0.681 | 0.922 | 0.916 | 6.46 | 3.1 |
| Exponential | 1.68*exp(0.101*(x-1987)) | 0.101 | 0.753 | 0.742 | 11.5 | 7.95 |
| Linear | intercept=-2.75e+03, slope=1.38 | 1.38 | 0.601 | 0.582 | 14.6 | 12.4 |