

R PROJEKT MA0009: Graduate Admissions

Wie man eine Bewerbung stärken kann

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Datensatz

##	Variable	Beschreibung
## 1	Serial.No.	Nummer
## 2	GRE.Score	GRE Scores
## 3	TOEFL.Score	TOEFL Scores
## 4	University.Rating	Bewertung der Universität
## 5	SOP	Statement of Purpose
## 6	LOR	Letter of Recommendation
## 7	CGPA	Durchschnittsnote
## 8	Research	Forschungserfahrung
## 9	Chance.of.Admit	Chance der Zulassung

GRE, TOEFL und University Rating

```
## [1] "GRE.Score"
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	290.0	308.0	317.0	316.8	325.0	340.0

```
## [1] "TOEFL.Score"
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	92.0	103.0	107.0	107.4	112.0	120.0

```
## [1] "University.Rating"
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.000	2.000	3.000	3.087	4.000	5.000

SOP, LOR und CGPA

```
## [1] "SOP"
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.0	2.5	3.5	3.4	4.0	5.0

```
## [1] "LOR"
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.000	3.000	3.500	3.453	4.000	5.000

```
## [1] "CGPA"
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	6.800	8.170	8.610	8.599	9.062	9.920

Research und Chance of Admit

```
## [1] "Research"
```

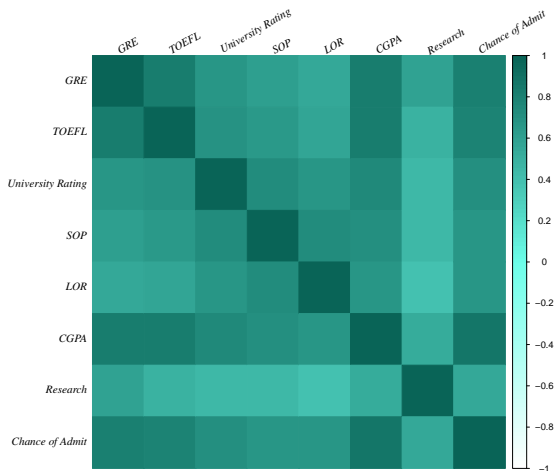
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.0000	0.0000	1.0000	0.5475	1.0000	1.0000

```
## [1] "Chance of Admit"
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.3400	0.6400	0.7300	0.7244	0.8300	0.9700

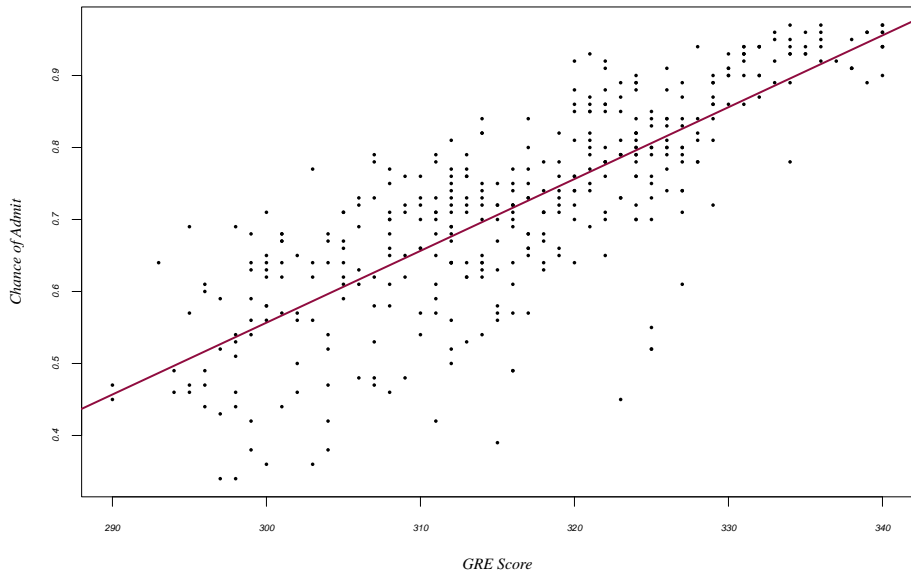
Korrelationen

corrpplot 0.92 loaded



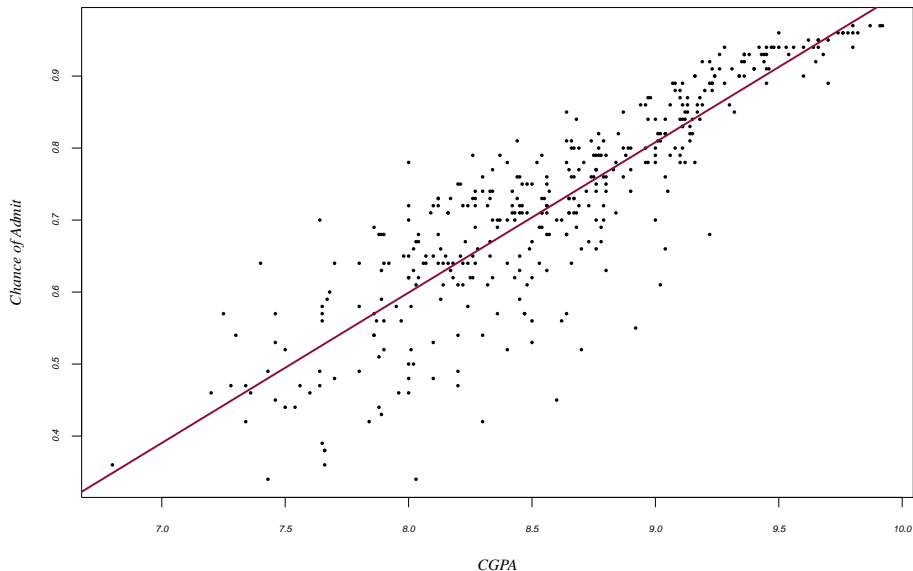
Lineare Regression: GRE Score vs Chance of Admit

Lineare Regression



Lineare Regression: CGPA vs Chance of Admit

Lineare Regression



Einfluss von Research auf Chance of Admit

```
##  
##  Welch Two Sample t-test  
##  
## data:  group_with_research and group_without_research  
## t = 13.347, df = 392.98, p-value < 2.2e-16  
## alternative hypothesis: true difference in means is not equal to 0  
## 95 percent confidence interval:  
##  0.1349844 0.1816199  
## sample estimates:  
## mean of x mean of y  
## 0.7959817 0.6376796
```

Ende

Vielen Dank

Quelle

[<https://www.kaggle.com/datasets/akshaydattatraykhare/data-for-admission-in-the-university>]