

# Data Mining

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# Gliederung

## 1 Vorverarbeitung



# Vorverarbeitung



## Rohdatensatz

	gender	race/ethnicity	parental level of education	lunch	test preparation course	math score	reading score	writing score
2	female	group B	bachelor's degree	standard	none	72	72	74
3	female	group C	some college	standard	completed	69	90	88
4	female	group B	master's degree	standard	none	90	95	93
5	male	group A	associate's degree	free/reduced	none	47	57	44

Bild 1: Rohdatensatz



## Datenvorverarbeitung

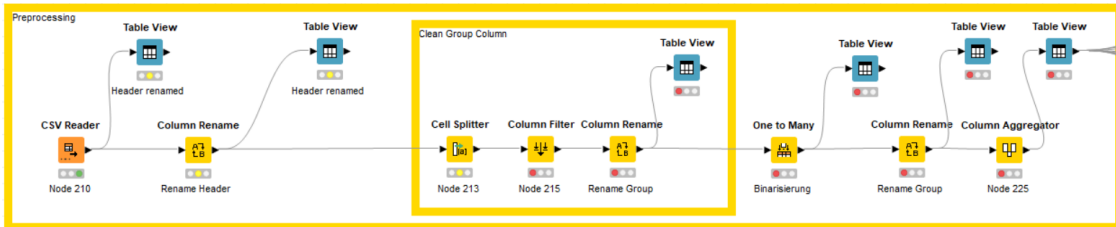


Bild 2: Knime Workflow zur Vorverarbeitung



gender	parental education	lunch	preparation	math	reading	writing	group	bachelor	college	master	associate	high school	some high school	standard	nonstandard	none	completed	B	C	A	D	E	Mean
female	bachelor's degree	standard	none	72	72	74	B	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	72.66666666666666
female	some college	standard	completed	69	90	88	C	0	1	0	0	0	0	1	0	0	1	0	1	0	0	0	82.33333333333333
female	master's degree	standard	none	90	95	93	B	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	92.66666666666666
male	associate's degree	free/reduced	none	47	57	44	A	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	49.33333333333333
male	some college	standard	none	76	78	75	C	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	76.33333333333333
female	associate's degree	standard	none	71	83	78	B	0	0	0	1	0	0	1	0	1	0	1	0	0	0	0	77.33333333333333

Bild 3: Vorverarbeitete Daten



## Knime Knoten