Annex 4F. Factors Associated with Student Achievement in Grade 9 in Rajasthan and Orissa, India


<table>
<thead>
<tr>
<th></th>
<th>Rajasthan</th>
<th></th>
<th>Orissa</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Coefficient</td>
<td></td>
<td>Coefficient</td>
<td></td>
</tr>
<tr>
<td>Grand Mean</td>
<td>33.01</td>
<td>***</td>
<td>36.57</td>
<td>***</td>
</tr>
</tbody>
</table>

At the Student Level:

Student Characteristics and Background

- Girls (compared with boys) -1.5 * -2.78 ***
- Scheduled Caste -1.65 **
- Scheduled Tribes -1.5 **

Mother’s education:

- Upper primary 1.44 **
- Secondary 1.61 **
- Senior Secondary 2.85 **
- Graduate 2.8 * 7.85 ***

Home resources:

- Basic resources 0.68 ***
- Newspaper at home 2.34 ***

Parental expectation:

- Certificate 1.8 *** 1.48
- Diploma 1.7 * 3.5 ***
- B.A 2.6 *** 3.14 ***
- Graduate degree 1.8 *** 3.66 ***

Opportunity to learn

- Homework and exams 0.5 ***

At the School Level:

Classroom Aggregate of Student Variables

- Class average of advanced home resources 5.62 ** 18.13 ***

School characteristics

- Private aided school 6.18 **
- Private unaided school 10.62 **
- Urban school -4.83 **

OTL: Frequency of missing math class

-1.39 **


Note: *p<.1; **p<.05; ***p<.01