

TABLE I  
PERFORMANCE ON CROSS-LANGUAGE DATASETS

Approaches	Training DataSet	Test Dataset= eData			Training DataSet	Test Dataset= cData		
		EM(%)	SSI(%)	ED		EM(%)	SSI(%)	ED
LangInsightCraft	eData	72.84	81.36	3.19	cData	71.98	81.13	3.22
	cData	70.83	80.60	3.21	eData	70.17	79.01	3.24
	Impact(%)	<b>-2.76</b>	<b>-0.93</b>	<b>+0.63</b>		<b>-2.51</b>	<b>-2.61</b>	<b>+0.62</b>
RNN-att-Copy	eData	47.03	59.10	4.81	cData	32.30	36.96	7.14
	cData	10.11	15.19	10.05	eData	11.09	14.01	9.02
	Impact(%)	<b>-78.50</b>	<b>-74.30</b>	<b>+108.94</b>		<b>-65.67</b>	<b>-62.09</b>	<b>+26.33</b>
CodeBERT	eData	58.44	71.75	4.09	cData	51.06	62.97	4.58
	cData	27.31	43.01	8.91	eData	32.31	49.67	8.31
	Impact(%)	<b>-53.27</b>	<b>-40.06</b>	<b>+117.85</b>		<b>-36.72</b>	<b>-21.12</b>	<b>+81.44</b>
UniXcoder	eData	59.18	74.38	4.00	cData	51.71	65.25	4.47
	cData	40.19	55.93	7.02	eData	38.42	56.91	7.61
	Impact(%)	<b>-32.09</b>	<b>-24.80</b>	<b>+75.50</b>		<b>-25.70</b>	<b>-12.78</b>	<b>+70.25</b>
ChatGPT (few-shot)	eData	58.72	68.79	4.23	cData	56.37	66.04	4.40
	cData	52.85	62.91	4.69	eData	51.86	61.76	4.78
	Impact(%)	<b>-10.00</b>	<b>-8.55</b>	<b>+10.87</b>		<b>-8.00</b>	<b>-6.48</b>	<b>+8.64</b>
Gemini(few-shot)	eData	57.84	67.76	4.29	cData	55.37	64.87	4.48
	cData	50.90	60.93	4.84	eData	49.90	59.96	4.98
	Impact(%)	<b>-12.00</b>	<b>-10.08</b>	<b>+12.82</b>		<b>-9.88</b>	<b>-7.57</b>	<b>+11.16</b>
Llama(few-shot)	eData	57.66	67.55	4.31	cData	55.25	64.73	4.49
	cData	50.45	61.11	4.95	eData	49.73	58.96	4.83
	Impact(%)	<b>-12.50</b>	<b>-9.53</b>	<b>+14.85</b>		<b>-9.99</b>	<b>-8.91</b>	<b>+7.57</b>

Note: Positive values of **ED** in Impact indicate edit distance increased, which is a negative outcome.