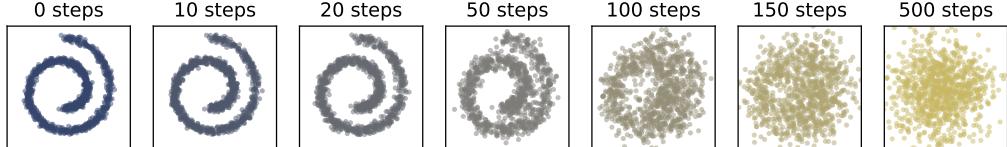
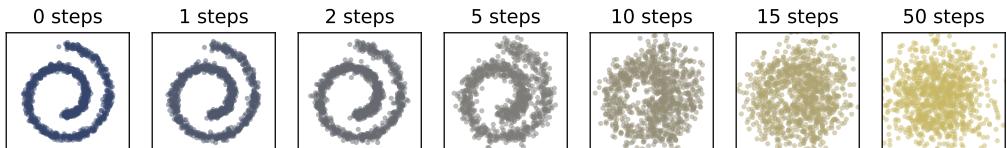


## 880 SFDDM on Tabular data generation: 2D Swiss Roll

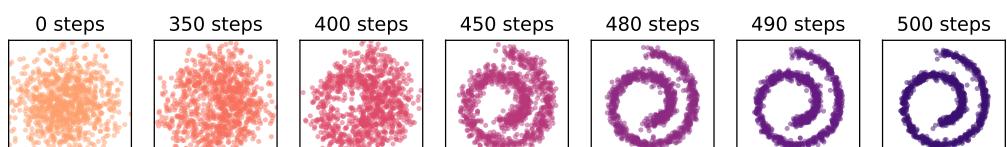
881  
882 We distill a teacher model with 500 steps into a student with 50 steps using our SFDDM.  
883 The results visualized in the following figures demonstrate that our  
884 algorithm works on DDPM for distilling the generation of tabular data.



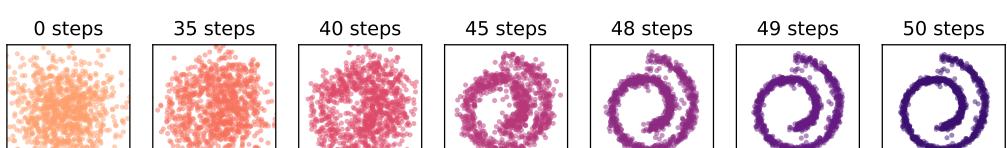
(a) Teacher diffusion forward process of 500 steps on 2D Swiss Roll dataset.



(b) Student diffusion forward process of 50 steps on 2D Swiss Roll dataset.

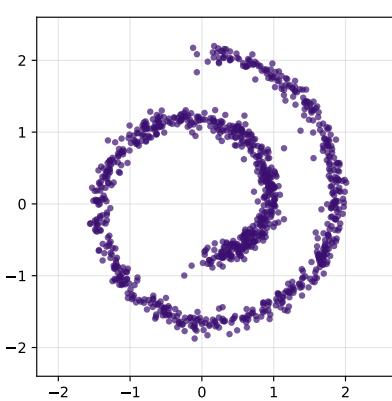


(c) Teacher diffusion reverse process of 500 steps on 2D Swiss Roll dataset.

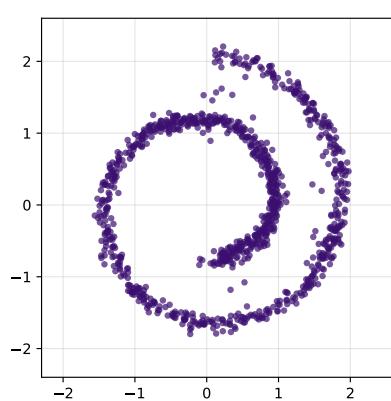


(d) Student diffusion reverse process of 50 steps on 2D Swiss Roll dataset.

Figure 8. Forward and reverse process of teacher and SFDDM student model on 2D Swiss Roll.



(a) Sampled data by the teacher model.



(b) Sampled data by the SFDDM student model.

Figure 9. Generative performance of the teacher and SFDDM student model on 2D Swiss Roll dataset.